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THIRTY-SIXTH

Annual Coal Report

of Illinois

DEPARTMENT OF MINES AND MINERALS
1917



66371

EVAN D. JOHN, Director
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Springfield, Illinois

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JOSEPH C. VIANO, Coal City.

**INSPECTION DISTRICTS AND STATE INSPECTORS OF
MINES FOR THE FISCAL YEAR BEGINNING
JULY 1, 1917.**

First District—Bureau, Grundy, Henry, LaSalle, Livingston, Mercer, Putnam, Rock Island and Will Counties.

WALTER A. WAITE, *Inspector*, Spring Valley.

Second District—McLean, Marshall, Peoria, Stark, Tazewell and Woodford Counties.

WILLIAM E. KIDD, *Inspector*, Peoria.

Third District—Cass, Fulton, Hancock, Knox, McDonough, Schuyler and Warren Counties.

THOMAS P. BACK, *Inspector*, Canton.

Fourth District—Logan, Menard, Morgan, Sangamon and Scott Counties.

ROBERT REAVLEY, *Inspector*, Riverton.

Fifth District—Christian, Macon, Moultrie, Shelby and Vermilion Counties.

JOSEPH HASKINS, *Inspector*, Catlin.

Sixth District—Green, Jersey, Macoupin and Montgomery Counties.

THOMAS A. LEWIS, *Inspector*, Litchfield.

Seventh District—Bond, Madison and Marion Counties.

ROBERT PETTIGREW, *Inspector*, Troy.

Eighth District—Clinton and St. Clair Counties.

THOMAS C. WRIGHT, *Inspector*, Belleville.

Ninth District—Jackson, Perry, Randolph and Washington Counties.

JOSEPH THOMPSON, *Inspector*, Murphysboro.

Tenth District—Franklin County.

FRANK ROSBOTTOM, *Inspector*, Benton.

Eleventh District—Gallatin, Saline and White Counties.

GEORGE BAGWELL, *Inspector*, Eldorado.

Twelfth District—Johnson and Williamson Counties.

H. T. BANNISTER, *Inspector*, Herrin.

MINE RESCUE STATIONS DIVISION.

SUPERINTENDENTS OF RESCUE STATIONS.

LaSalle.

THOMAS ROGERS.

Springfield.

THOMAS ENGLISH.

Benton.

JAMES TOWAL.

Duquoin.

JAMES ROBERTSON.

Herrin.

JAMES WEIR.

Harrisburg.

ALEXANDER SKELTON.



LETTER OF TRANSMITTAL.

STATE OF ILLINOIS,
DEPARTMENT OF MINES AND MINERALS.

SPRINGFIELD, *January 1, 1918.*

Honorable Frank O. Lowden, Governor of Illinois.

SIR: I have the honor to submit herewith the Thirty-sixth Annual Report of the coal industry of the State for the fiscal year ended June 30, 1917, also containing the report of the Mine Rescue Stations for the period extending from January 1, 1915, to July 1, 1917, and the Fourth Annual Report of the Miners' Examining Board.

Respectfully submitted,

EVAN D. JOHN, *Director.*

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THIRTY-SIXTH ANNUAL COAL REPORT OF ILLINOIS, YEAR ENDED JUNE 30, 1917.

INTRODUCTORY.

The condition of the coal industry for this year shows marked improvement over all preceding years, both in production, market price and earnings of the men engaged in the industry. There was an increase in production of 15,309,997 tons, or more than 24 per cent.

The number of shipping mines in operation were 40 more than last year, some of these, however, were operated last year as local mines. A reduction in the number of local mines will be noticed, but as a great many of this class of mines are such small producers that no appreciable effect was made on the State's output. These small mines, 414 of which, out of a total of 486 engaged in local trade, employed less than ten men each, and are continually changing hands, many of them operating but one season, abandoned and the proprietor moves to a more promising locality.

The number employed the past year in all mines was 80,893, an increase of 4,974. They worked an average of 179 days or 16 days more than last year. The employees in shipping mines numbered 78,056 and these worked on an average 215 days and produced 77,412,054 tons. These mines, if run full time, could produce more than 100,000,000 tons each year.

During the year 207 lives have been lost in and about the mines, 183 of which were in the mines, 19 on the surface and five in the shaft. The number of tons mined to each life lost was 381,563, and the number of employees to each death was 391. These fatalities are given in detail in Table 40.

Sixteen hundred thirty-four, one of every 50 employed, received injuries resulting in a loss of 30 or more days time, of which 597, or 36.6 per cent, were caused by falling roof and sides.

A great many operators are always delinquent in filing their annual reports, especially that relating to accidents, and it is only after much correspondence that the department is able to get them at all, and then, in some instances, they are incomplete and very unsatisfactory. This causes a great deal of unnecessary trouble and expense and makes it very difficult and sometimes impossible for this office to fulfill the requirements of the law relating to the compiling of statistics.

This department urges all operators to file their reports in the future in the time prescribed by the law, so as to obviate the necessity of taking legal action to procure them.

The Legislature at its last session combined the miners examining board, the mine rescue commission and the State mining board under one administrative office to be known as the Department of Mines and Minerals. The annual reports of these divisions will be found in the supplement to this report.

Attention is called for the purpose of comparison to the following:

SUMMARY.

The following is a summary and comparison with 1916 of the principle items contained in this report:

Summary.	1917	1916
Number of counties producing coal.....	51	51
Number of mines and openings of all kinds.....	810	803
New mines or old mines re-opened during the year.....	157	137
Mines closed or abandoned since last report.....	150	111
Total output of all mines, in tons of 2,000 pounds.....	78,983,527	63,673,530
Number of shipping or commercial mines.....	324	284
Total output of shipping mines, tons.....	77,412,054	62,283,236
Number of mines in local trade only.....	486	519
Output of local mines, tons.....	1,571,473	1,390,294
Total tons of mine run coal.....	17,351,352	11,026,604
Total tons of lump coal.....	24,250,639	21,768,006
Total tons of egg coal.....	11,532,605	8,775,077
Total tons of nut coal.....	4,809,633	4,279,045
Total tons of pea coal.....	19,002,022	15,969,635
Total tons of slack coal.....	1,977,276	1,855,163
Total tons shipped.....	53,115,828	44,154,419
Tons supplied to locomotive at mines.....	627,888	676,220
Tons sold to railroad companies.....	19,806,419	14,447,497
Tons sold local trade.....	2,882,156	2,244,026
Tons consumed (or wasted) at the plant.....	2,551,236	2,151,368
Average days of active operation for shipping mines.....	215	185
Average days of active operation for all mines.....	179	163
Number of motors in use.....	744	648
Number of mining machines in use.....	1,920	1,822
Number of tons undercut by machines.....	47,232,889	39,370,196
Number of tons mined by hand.....	31,750,647	24,303,334
Number of miners employed during the year.....	27,114	27,272
Number of other employees underground.....	44,496	40,747
Number of boys employed underground.....	1,527	1,407
Number of employees above ground.....	7,756	6,491
Total number of employees.....	80,893	75,919
Average price paid per gross ton for hand mining, shipping mines.....	\$0.705	\$0.670
Average price paid per gross ton for machine mining.....	.568	.524
Number of kegs of powder used for blasting coal.....	1,522,363	1,150,504
Number of kegs of powder used for other purposes.....	2,574	1,324
Number of pounds of permissible explosives used.....	1,827,501	1,536,726
Number of men accidentally killed.....	207	165
Number of men injured so as to lose a month or more of time.....	1,634	1,305
Number of gross tons mined to each life lost.....	381,563	385,900
Number of employees to each life lost.....	391	460
Number of deaths per 1,000 employed.....	2.56	2.17
Number of gross tons mined to each man injured.....	48,338	48,792
Number of employees to each man injured.....	50	53

CLASSIFICATION OF MINES.

Table 1 shows the number of mines, men and tons in all mines, also for shipping and local mines, by districts.

TABLE 1—MINES, MEN AND TONS, SHIPPING AND LOCAL MINES, BY DISTRICTS.

District.	All mines.			Shipping mines.			Local mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	52	3,144	1,779,516	14	2,568	1,427,898	38	576	351,618
Second.....	81	3,281	1,823,820	9	2,848	1,628,019	72	433	195,801
Third.....	97	4,959	3,593,441	24	4,511	3,318,856	73	448	274,585
Fourth.....	185	3,442	2,790,350	19	2,880	2,548,722	166	562	241,628
Fifth.....	52	6,859	6,716,090	28	6,630	6,547,072	24	229	169,018
Sixth.....	34	7,601	7,634,571	31	7,578	7,624,006	3	23	10,565
Seventh.....	34	9,001	10,240,425	21	8,938	10,220,509	13	63	19,916
Eighth.....	36	6,821	7,667,369	25	6,769	7,635,895	11	52	31,474
Ninth.....	63	5,360	5,755,650	47	5,227	5,652,416	16	133	103,234
Tenth.....	57	5,501	5,218,599	29	5,351	5,138,500	28	150	80,099
Eleventh.....	72	15,618	16,079,571	42	15,515	16,035,481	30	103	44,090
Twelfth.....	47	9,306	9,684,125	35	9,241	9,634,680	12	65	49,445
The State, 1917.....	810	80,893	78,983,527	324	78,056	77,412,054	486	2,837	1,571,473
The State, 1916.....	803	75,919	63,673,530	284	72,998	62,283,236	519	2,921	1,390,294
Increase (+).....	+7	+4,974	+15,309,997	+40	+5,058	+15,128,818	-33	-84	+181,179

Table 2 is the percentages of the items shown in Table 1.

TABLE 2—PERCENTAGES OF MINES, MEN AND TONS, ALL MINES AND OF SHIPPING AND LOCAL MINES.

District.	Percentages—all mines.			Percentages—shipping mines.			Percentages—local mines.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	6.42	3.76	2.25	26.92	81.68	80.24	73.08	18.32	19.76
Second.....	10.00	4.06	2.31	11.11	86.80	89.32	88.89	13.20	10.62
Third.....	11.98	6.13	4.55	24.74	90.97	92.36	75.26	9.03	7.64
Fourth.....	22.84	4.25	3.53	10.27	83.67	91.34	89.73	16.33	8.66
Fifth.....	6.42	8.48	8.50	53.84	96.66	97.48	46.16	3.34	2.52
Sixth.....	4.20	9.52	9.67	91.18	99.70	99.86	8.82	.30	.14
Seventh.....	4.20	11.13	12.97	61.76	99.30	99.81	38.24	.70	.19
Eighth.....	4.44	8.43	9.71	69.44	99.24	99.59	30.56	.76	.41
Ninth.....	7.78	6.63	7.29	74.60	99.37	92.20	25.40	.63	1.80
Tenth.....	7.03	6.80	6.61	50.88	97.27	98.47	49.12	2.73	1.53
Eleventh.....	8.89	19.31	20.35	58.33	99.34	99.73	41.67	.66	.27
Twelfth.....	5.80	11.50	12.26	74.47	99.30	99.49	25.53	.70	.51
The State.....	100.00	100.00	100.00	40.00	96.49	98.26	60.00	3.51	1.74

Table 3 gives for a series of 25 years the items shown in Table 1.

TABLE 3—ALL MINES, MEN AND TONS AND SHIPPING AND LOCAL MINES
FOR 25 YEARS.

Year.	Total.			Shipping.			Local.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	310	28,737	19,257,682	478	6,653	691,882
1894.....	836	38,477	17,113,576	319	31,243	16,106,613	517	7,234	1,006,963
1895.....	874	38,630	17,735,864	319	31,174	16,578,890	555	7,456	1,156,974
1896.....	862	37,032	19,786,626	330	28,185	18,263,056	532	8,847	1,523,570
1897.....	853	33,788	20,072,758	310	31,322	19,386,573	543	2,466	686,185
1898.....	881	35,026	18,599,299	329	32,297	17,655,561	552	2,729	943,738
1899.....	889	36,991	23,434,445	323	34,307	22,531,356	566	2,684	903,089
1900.....	920	39,384	25,153,929	323	36,298	24,056,996	597	3,086	1,096,933
1901.....	915	44,143	26,635,319	331	40,926	25,526,816	584	3,217	1,108,503
1902.....	915	46,005	30,021,300	332	42,807	28,824,750	583	3,198	1,196,550
1903.....	933	49,814	34,955,400	353	46,494	33,676,537	580	3,320	1,278,863
1904.....	932	54,774	37,077,897	380	51,384	35,779,517	552	3,390	1,298,380
1905.....	990	59,230	37,183,374	397	55,743	35,956,543	593	3,487	1,226,831
1906.....	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770
1907.....	933	66,714	47,798,621	411	63,154	46,436,839	522	3,560	1,361,782
1908.....	922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722
1909.....	886	72,733	49,163,710	384	69,518	47,958,562	502	3,215	1,205,148
1910.....	881	74,634	48,717,853	390	71,520	47,225,201	491	3,114	1,492,652
1911.....	845	77,410	50,165,099	387	74,508	48,758,657	458	2,902	1,406,442
1912.....	879	79,411	57,514,240	380	76,407	56,096,695	499	3,004	1,417,545
1913.....	840	79,497	61,846,204	371	76,855	60,515,416	469	2,642	1,330,788
1914.....	796	80,035	60,715,795	340	77,262	59,379,182	456	2,773	1,336,613
1915.....	779	75,607	57,601,694	280	72,227	56,172,556	499	3,380	1,429,138
1916.....	803	75,919	63,673,530	284	72,998	62,283,236	519	2,921	1,390,294
1917.....	810	80,893	78,983,527	324	78,056	77,412,054	486	2,837	1,571,473

Table 4 shows a classification of the mines by groups and gives the number of mines, men and tons in each group.

TABLE 4—GROUPING OF MINES BY TONNAGE.

Districts.	Tonnage and mines producing—								
	Under 1,000.			1,000 but under 10,000.			10,000 but under 50,000.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	17	78	3,698	13	117	34,160	11	423	242,509
Second.....	28	76	9,803	41	319	133,530	5	108	97,180
Third.....	37	96	13,954	31	281	151,425	12	345	271,244
Fourth.....	126	274	49,212	35	188	84,083	8	232	225,375
Fifth.....	6	29	3,280	18	253	63,439	5	182	87,328
Sixth.....	.....	.....	.....	3	23	10,565	3	169	58,068
Seventh.....	7	23	2,765	7	108	23,668	1	234	40,057
Eighth.....	6	12	1,392	5	77	19,794	6	294	143,171
Ninth.....	2	24	1,230	14	124	68,038	18	720	533,411
Tenth.....	10	26	4,175	17	112	65,460	9	404	264,872
Eleventh.....	22	49	8,639	7	42	18,901	3	204	101,979
Twelfth.....	5	16	2,750	6	45	26,695	5	130	82,880
The State.....	266	703	100,898	197	1,689	699,778	86	3,445	2,148,074

TABLE 4—Concluded.

Districts.	Tonnage and mines producing—								
	50,000 but under 100,000.			100,000 but under 200,000.			200,000 and over.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	5	727	355,073	5	1,319	867,696	1	480	276,380
Second.....	1	134	98,209	1	130	101,903	5	2,514	1,383,175
Third.....	3	255	224,357	7	1,301	993,634	7	2,681	1,938,827
Fourth.....	2	225	144,570	11	1,711	1,500,268	3	812	786,842
Fifth.....	6	680	430,170	6	961	919,045	11	4,754	5,212,828
Sixth.....	5	641	379,207	7	1,254	1,230,311	16	5,514	5,956,420
Seventh.....	1	175	97,390	3	685	469,424	15	7,776	9,607,121
Eighth.....	1	173	94,689	3	511	362,230	15	5,754	7,046,083
Ninth.....	11	833	770,605	11	1,289	1,485,123	7	2,370	2,897,243
Tenth.....	9	899	713,840	3	524	456,592	9	3,536	3,713,660
Eleventh.....	4	515	234,969	7	1,282	1,106,944	29	12,526	14,608,139
Twelfth.....	4	542	320,405	6	1,123	904,416	21	7,450	8,346,979
The State.....	52	5,799	3,863,494	70	12,090	10,397,586	139	57,167	61,773,697

Table 5 shows the number of mines, men and tons in three groups, by districts.

TABLE 5—GROUPING OF MINES, MEN AND TONS INTO THREE CLASSES, BY DISTRICTS, ALL MINES.

District.	Less than 50,000 tons.			50,000 and less than 100,000 tons.			100,000 tons and over.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	41	618	280,367	5	127	355,073	6	1,799	1,144,076
Second.....	74	503	240,533	1	134	98,209	6	2,644	1,485,078
Third.....	80	722	436,823	3	255	224,357	14	3,982	2,932,461
Fourth.....	169	694	358,670	2	225	141,570	14	2,523	2,287,110
Fifth.....	29	464	154,047	6	680	430,170	17	5,715	6,151,873
Sixth.....	6	192	68,633	5	641	379,207	23	6,768	7,186,731
Seventh.....	15	365	66,490	1	175	97,390	18	8,461	10,076,545
Eighth.....	17	383	164,357	1	173	94,699	18	6,265	7,408,313
Ninth.....	34	868	602,679	11	833	770,605	18	3,659	4,382,366
Tenth.....	36	542	334,507	9	899	713,840	12	4,060	4,170,252
Eleventh.....	32	295	129,519	4	515	234,969	36	14,808	15,715,083
Twelfth.....	16	191	112,325	4	542	320,405	27	8,573	9,251,395
The State, 1917	549	5,837	2,948,750	52	5,799	3,863,494	209	69,257	72,171,283
The State, 1916...	584	7,515	2,816,967	48	5,619	3,524,602	171	62,785	57,331,961
Increase (+), decrease (-).....	-35	-678	+131,783	+4	+180	+348,872	+28	+6,472	+14,839,322

Table 6 is the percentages of the items shown in Table 5.

TABLE 6—PERCENTAGES OF MINES, MEN AND TONS—MINES PRODUCING—

District.	Less than 50,000 tons.			50,000 and less than 100,000 tons.			100,000 tons and over.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	7.47	10.59	9.52	9.43	12.26	8.94	2.88	2.60	1.59
Second.....	13.48	8.61	8.16	1.88	2.26	2.47	2.88	3.82	2.07
Third.....	14.57	12.36	14.81	5.66	4.30	5.65	6.73	5.76	4.07
Fourth.....	30.78	11.89	12.16	3.74	3.80	3.64	6.73	3.65	3.17
Fifth.....	5.28	7.95	5.22	11.32	11.47	10.83	8.17	8.27	8.52
Sixth.....	1.11	3.29	2.32	9.44	10.81	9.55	11.06	9.80	9.97
Seventh.....	2.72	6.26	2.25	1.88	2.96	2.45	8.65	12.24	13.99
Eighth.....	3.10	6.56	5.57	3.74	5.09	5.10	8.17	8.88	10.14
Ninth.....	6.19	14.87	20.43	20.85	14.05	19.40	8.65	5.30	6.08
Tenth.....	6.56	9.29	11.35	16.98	15.17	17.98	5.78	5.87	5.79
Eleventh.....	5.83	5.05	4.39	7.54	8.69	5.92	17.31	21.41	21.77
Twelfth.....	2.91	3.28	3.82	7.54	9.14	8.07	12.99	12.40	12.84
The State.....	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Table 7 shows the number of mines, men and tons with percentages in six groups.

TABLE 7.—CLASSIFICATION OF MINES BY TONNAGE WITH PERCENTAGES OF MINES, MEN AND TONS IN EACH CLASS.

Mines producing—	Number of mines.	Number of men.	Tons.	Percentages of—		
				Mines.	Men.	Tons.
Less than 1,000 tons.....	266	703	100,898	32.81	.87	.13
1,000 and less than 10,000 tons.....	197	1,689	699,778	24.32	2.00	.89
10,000 and less than 50,000 tons.....	86	3,445	2,148,074	10.62	4.26	2.72
50,000 and less than 100,000 tons.....	52	5,799	3,863,494	6.54	7.32	4.89
100,000 and less than 200,000 tons.....	79	12,090	10,397,586	8.32	14.79	13.16
200,000 tons and over.....	139	57,167	61,773,697	17.16	70.67	78.21
Total.....	810	80,893	78,983,527	100.00	100.00	100.00

Table 8 is a grouping of the mines into six classes for a period of 26 years.

TABLE 8.—GROUPING OF MINES BY TONNAGE FOR A SERIES OF 26 YEARS.

Year.	Mines producing—											
	Under 1,000 tons.		1,000 and under 10,000 tons.		10,000 and under 50,000 tons.		50,000 and under 100,000 tons.		100,000 and under 200,000 tons.		200,000 tons and over.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
1892.....	332	147,777	239	1,058,078	151	4,134,239	65	4,293,472	46	5,855,091	6	2,373,599
1893.....	282	121,636	232	726,199	140	3,132,499	75	6,179,487	47	6,291,965	12	3,497,778
1894.....	312	137,507	252	702,623	161	4,022,545	61	4,742,257	44	6,035,094	6	1,473,550
1895.....	319	151,430	276	866,019	145	3,609,918	61	4,416,969	45	6,346,937	9	2,344,591
1896.....	330	170,982	280	807,148	128	3,265,822	63	5,049,694	45	6,020,370	16	4,472,610
1897.....	346	150,445	250	773,526	120	3,162,713	79	5,693,193	41	5,778,374	17	4,514,507
1898.....	351	161,622	244	692,149	151	3,785,962	86	6,351,513	42	5,898,596	7	1,709,457
1899.....	346	137,582	261	790,948	123	2,877,117	77	5,618,924	57	7,443,023	25	6,506,851
1900.....	340	154,318	295	969,424	123	3,255,570	70	5,009,326	65	8,995,963	27	6,709,328
1901.....	313	227,419	308	838,989	124	3,393,827	79	5,795,953	58	8,008,897	33	8,370,234
1902.....	314	161,058	263	763,597	152	3,694,890	76	5,376,350	72	9,923,538	38	10,101,867
1903.....	313	126,678	293	871,342	120	3,396,343	75	5,445,195	87	12,387,437	45	12,728,405
1904.....	301	126,397	275	934,042	140	3,602,660	72	5,200,551	98	13,753,975	46	13,460,272
1905.....	321	129,430	299	993,394	147	3,852,565	83	5,868,103	88	12,158,090	52	14,184,792
1906.....	336	127,232	282	949,073	167	5,097,972	89	6,116,018	97	13,462,256	47	12,565,030
1907.....	260	108,875	262	827,339	145	3,907,170	91	6,600,264	95	13,376,164	80	22,978,809
1908.....	248	95,427	256	793,236	146	3,879,000	98	7,130,739	92	13,181,385	82	24,192,665
1909.....	270	106,124	239	782,850	134	3,612,391	66	4,939,139	90	12,609,581	87	27,113,625
1910.....	261	97,266	239	992,300	125	3,305,177	87	6,353,951	94	13,911,460	75	24,117,699
1911.....	235	93,573	213	728,936	138	3,901,966	82	6,000,914	101	14,455,906	76	24,983,804
1912.....	266	111,734	228	771,906	119	3,047,090	70	5,134,560	91	13,324,090	105	35,124,860
1913.....	239	102,715	231	780,206	108	2,802,735	66	4,886,476	82	11,792,613	114	41,481,459
1914.....	236	87,916	208	693,370	90	2,267,670	64	4,589,625	95	13,672,229	103	39,404,985
1915.....	268	105,926	224	723,289	62	1,516,332	56	3,968,610	65	9,849,766	104	41,443,771
1916.....	304	120,908	202	680,577	78	2,015,482	48	3,524,602	60	8,956,203	111	48,375,758
1917.....	266	100,898	197	699,778	86	2,148,074	52	3,863,494	70	10,397,586	139	61,773,697

Table 9 gives the percentages of the items in the preceding table.

TABLE 9—PERCENTAGES OF MINES AND TONS PRODUCED IN SPECIFIED GROUPS FOR 26 YEARS.

Year.	Percentage of mines and tons by mines producing—											
	Under 1,000 tons.		1,000 and under 10,000 tons.		10,000 and under 50,000 tons.		50,000 and under 100,000 tons.		100,000 and under 200,000 tons.		200,000 tons and over.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
1892.....	39.69	.82	29.44	5.92	17.76	23.15	7.03	24.04	4.89	32.78	1.19	13.29
1893.....	35.91	.61	29.44	3.64	16.24	15.79	10.92	30.98	5.71	31.54	1.78	17.53
1894.....	37.08	.80	29.07	4.11	19.62	23.50	8.25	27.71	5.26	35.26	.72	8.61
1895.....	36.43	.85	33.29	4.88	16.65	20.35	7.33	24.91	5.25	35.79	1.05	13.22
1896.....	38.90	.72	30.66	4.08	14.88	16.51	8.35	25.52	5.61	33.14	1.60	20.03
1897.....	40.56	.75	29.31	3.85	14.07	15.75	9.26	28.37	4.81	28.79	1.99	22.49
1898.....	39.84	.87	27.70	3.72	17.14	20.36	9.76	34.15	4.77	31.71	.79	9.19
1899.....	38.92	.59	29.36	3.98	13.84	12.28	8.66	23.97	6.41	31.76	2.81	28.02
1900.....	36.96	.61	32.07	3.86	13.37	12.94	7.61	19.92	7.06	35.76	2.93	26.91
1901.....	34.21	.85	33.66	3.15	13.55	12.74	8.63	21.76	6.34	30.07	3.61	31.43
1902.....	34.32	.54	28.74	2.54	16.61	12.31	8.31	17.90	7.87	33.06	4.15	33.65
1903.....	33.55	.36	31.40	2.49	12.86	9.72	8.04	15.58	9.33	35.44	4.82	36.41
1904.....	32.30	.34	29.50	2.52	15.02	9.72	7.73	14.03	10.51	37.09	4.94	36.30
1905.....	32.43	.35	30.20	2.67	14.85	10.36	8.98	15.78	8.89	32.70	5.25	38.14
1906.....	33.01	.33	27.70	2.48	16.40	13.31	8.74	15.96	9.53	25.13	4.62	32.79
1907.....	27.82	.23	28.08	1.73	15.56	8.17	9.76	13.81	10.20	27.98	8.58	48.08
1908.....	26.90	.11	27.77	1.70	15.84	7.87	10.63	14.48	9.97	26.75	8.82	49.10
1909.....	30.47	.22	26.98	1.59	15.12	7.35	7.45	10.05	10.16	25.64	9.82	55.15
1910.....	29.63	.20	27.12	1.91	14.19	6.79	9.88	13.04	10.68	28.56	8.50	49.50
1911.....	27.81	.19	25.21	1.46	16.33	7.78	9.71	11.96	11.95	28.81	8.99	49.80
1912.....	30.27	.20	25.95	1.34	13.54	5.47	7.77	8.76	10.53	23.16	11.95	61.07
1913.....	28.45	.17	27.50	1.26	12.86	4.53	7.86	7.90	9.76	19.07	13.57	67.07
1914.....	29.65	.15	26.13	1.11	11.31	3.74	8.05	7.56	11.93	22.53	12.93	64.91
1915.....	34.40	.18	28.76	1.26	7.96	2.62	7.18	6.89	8.35	17.10	13.35	71.95
1916.....	37.86	.19	25.16	1.07	9.71	3.16	5.98	5.54	7.47	14.07	13.82	75.97
1917.....	32.84	.13	24.32	.89	10.62	2.72	6.54	5.89	8.52	13.16	17.16	78.21

Table 10 is a list of the mines which produced more than 100,000 tons and gives the location, the number of men employed, days worked, total output and the average production each day worked.

TABLE 10—MINES FROM WHICH MORE THAN 100,000 TONS OF COAL HAVE BEEN DELIVERED DURING THE YEAR.

Rank.	Companies.	Location.	Men.	Days.	Total tons.	Average tons per day.
1	Superior Coal Co., No. 3.....	Gillespie.....	690	260	1,158,796	4,457
2	Old Ben Coal Corporation, No. 8.....	W. Frankfort..	829	256	1,093,317	4,271
3	Superior Coal Co., No. 2.....	Gillespie.....	709	249	1,071,283	4,302
4	Bell & Zoller Mining Co., No. 1.....	Zeigler.....	779	249	1,065,359	4,280
5	Chil., Wilm. & Franklin Coal Co., No. 1.....	Orient.....	969	272	1,008,474	3,708
6	New Staunton Coal Co., No. 1.....	Livingston.....	647	216	937,004	4,338
7	Old Ben Coal Corporation, No. 9.....	W. Frankfort..	889	203	933,141	4,597
8	Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	637	252	901,881	3,579
9	Old Ben Coal Corporation, No. 14.....	Christopher.....	669	233	891,882	3,828
10	Superior Coal Co., No. 1.....	Gillespie.....	674	238	885,467	3,720
11	United States Fuel Co., Vermilion.....	Westville.....	793	263	877,920	3,338
12	Old Ben Coal Corporation, No. 11.....	Christopher.....	785	254	869,504	3,423
13	Donk Bros. Coal & Coke Co., No. 2.....	Maryville.....	588	291	866,317	2,977
14	St. Louis & O'Fallon Coal Co., No. 2.....	East St. Louis..	580	271	842,875	3,110
15	Consolidated Coal Co., No. 14.....	Staunton.....	622	239	760,643	3,183
16	United States Fuel Co., No. 4.....	Westville.....	748	261	739,937	2,835
17	Peabody Coal Co., No. 7.....	Kincaid.....	562	246	734,733	2,987
18	Madison Coal Corporation, No. 6.....	Divernon.....	513	237	726,319	3,065

TABLE 10—Continued.

Rank.	Companies.	Location.	Men.	Days.	Total tons.	Average tons per day.
19	Centralia Coal Co., No. 5.	Centralia.	565	276	705,514	2,556
20	W. P. Rend Coal & Coke Co., No. 2.	Herrin.	604	248	702,304	2,832
21	Consolidated Coal Co., No. 7.	Staunton.	569	239	692,636	2,898
22	Shoal Creek Coal Co., No. 1.	Panama.	548	275	680,946	2,476
23	Chi., Wilm. & Franklin Coal Co., No. 1.	Thayer.	508	262	676,980	2,584
24	Old Ben Coal Corporation, No. 10.	Christopher.	559	261	656,261	2,514
25	C. & E. I. Coal Properties, No. 14.	Witt.	662	212	645,778	3,046
26	Old Ben Coal Corporation, No. 12.	Christopher.	504	252	641,427	2,545
27	Johnston City Coal Co., No. 1.	Johnston City.	473	266	636,262	2,392
28	Peabody Coal Co., No. 3.	Marion.	600	270	627,400	2,324
29	West Frankfort Coal Co., No. 1.	W. Frankfort.	473	241	624,714	2,592
30	Consolidated Coal Co., No. 15.	Mt. Olive.	599	177	610,040	3,447
31	Nokomis Coal Co., No. 1.	Nokomis.	465	194	605,868	3,123
32	Majestic Coal & Coke Co., No. 1.	Duquoin.	549	219	599,540	2,738
33	C. & E. I. Coal Properties, No. 10.	Nokomis.	585	190	594,411	3,128
34	Madison Coal Corporation, No. 9.	Dewmaine.	465	259	564,954	2,181
35	Peabody Coal Co., No. 8.	Kincaid.	411	252	564,311	2,239
36	Marion County Coal Co., No. 1.	Glenridge.	504	276	557,458	2,020
37	Franklin Coal & Coke Co., No. 1.	Koyalton.	575	209	555,505	2,658
38	Security Coal & Mining Co.	Duquoin.	570	179	550,261	3,074
39	Donk Bros. Coal & Coke Co., No. 1.	Collinsville.	391	271	548,977	2,026
40	Chicago & Carterville Coal Co., A.	Herrin.	459	243	522,373	2,150
41	Southern Coal, Coke & Mining Co., No. 8.	Belleville.	405	236	518,496	2,197
42	Sesser Coal Co.	Sesser.	650	236	509,324	2,158
43	Royal Colliery Co.	Virdeu.	456	233	508,097	2,181
44	Springfield District Coal Mining Co., No. 2.	Riverton.	494	249	500,517	2,010
45	Southern Coal, Coke & Mining Co., No. 9.	New Baden.	418	225	499,640	2,221
46	Saline County Coal Co., No. 3.	Harrisburg.	458	196	494,528	2,523
47	Big Muddy Coal & Iron Co., No. 8.	Clifford.	464	234	491,388	2,100
48	Paradise Coal Co.	Duquoin.	496	210	483,483	2,302
49	Madison Coal Corporation, No. 8.	Dewmaine.	395	262	482,079	1,840
50	Big Muddy Coal & Iron Co., No. 7.	Herrin.	435	244	481,278	1,972
51	C. & E. I. Coal Properties, No. 11.	Hillsboro.	348	262	481,224	1,837
52	Searls Coal Co.	Johnston City.	423	194	464,313	2,393
53	O'Gara Coal Co., No. 9.	Harrisburg.	402	206	458,934	2,228
54	Consolidated Coal Co., L. C.	Johnston City.	380	215	458,043	2,130
55	Springfield District Coal Mining Co., No. 4.	Auburn.	373	256	454,700	1,776
56	Jones & Adams Coal Co.	Springfield.	414	240	450,455	1,876
57	Peabody Coal Co., No. 21.	Stonington.	372	271	448,248	1,654
58	Benton Coal Co.	Benton.	549	195	440,864	2,261
59	Consolidated Coal Co., No. 17.	Collinsville.	344	183	437,247	2,389
60	Peabody Coal Co., No. 24.	Westville.	366	263	431,979	1,643
61	Peabody Coal Co., No. 6.	Sherman.	437	237	429,721	1,813
62	St. Paul Coal Co., No. 1.	Granville.	721	270	427,562	1,584
63	Lumaghi Coal Co., No. 2.	Collinsville.	426	195	410,721	2,106
64	T. G. Warden Coal Co.	Herrin.	326	242	395,070	1,632
65	Madison Coal Corporation, No. 2.	Glen Carbon.	348	233	386,880	1,660
66	Wasson Coal Co., No. 1.	Wasson.	401	194	384,555	1,982
67	O'Gara Coal Co., No. 11.	Harrisburg.	301	239	348,543	1,458
68	Chicago & Springfield Coal Co.	Springfield.	292	255	347,523	1,362
69	John A. Logan Coal Co.	Logan.	323	259	344,116	1,329
70	O'Gara Coal Co., No. 10.	Eldorado.	265	259	341,680	1,317
71	Dering Coal Co., No. 3.	do.	314	207	341,344	1,648
72	Willis Coal & Mining Co., No. 1.	Willisville.	272	278	339,265	1,220
73	Wilcoxson Coal & Coke Co.	Springfield.	328	279	330,339	1,184
74	Hillsboro Coal Co.	Hillsboro.	272	247	328,839	1,331
75	W. P. Rend Collieries Co.	Rend.	310	239	327,151	1,369
76	Kerns-Donnewald Coal Co.	Worden.	266	288	324,295	1,226
77	St. Paul Coal Co., No. 2.	Cherry.	611	272	322,288	1,185
78	Springvalley Coal Co., No. 3.	Springvalley.	531	270	321,954	1,192
79	Springfield District Coal Mining Co., No. 5.	Springfield.	302	254	320,295	1,261
80	Breese-Trenton Mining Co., Buxton.	Beckemeyer.	251	191	319,630	1,673
81	Montour Coal Co., No. 403.	Girard.	317	264	318,578	1,207
82	O'Gara Coal Co., No. 1.	Harrisburg.	336	187	316,731	1,193
83	Springfield District Coal Mining Co., No. 8.	Taylorville.	345	188	315,854	1,680
84	Prairie Coal Co.	Belleville.	289	240	307,188	1,280
85	United States Fuel Co., No. 3.	Westville.	362	205	305,820	1,492
86	Big Creek Coal Co., No. 2.	St. David.	333	259	300,127	1,159
87	Springfield District Coal Mining Co., No. 3.	Springfield.	292	223	296,683	1,332
88	By Products Coke Corporation, No. 18.	W. Frankfort.	264	251	296,053	1,180
89	Jackson Coal Co.	Hallidayboro.	340	217	287,228	1,324
90	B. P. Berry Coal Co., No. 1.	Standard.	456	253	284,973	1,126
91	West End Coal Co.	Springfield.	279	254	283,673	1,117

TABLE 10—Continued.

Rank.	Companies.	Location.	Men.	Days.	Total tons.	Average tons per day.
92	Penwell Coal Mining Co.	Pana.	279	198	282,521	1,477
93	Chicago & Sandoval Coal Co., No. 2.	Sandoval.	178	220	281,695	1,280
94	Toluca Coal Co.	Toluca.	628	301	281,638	936
95	Western Coal Mining Co., No. 1.	Bush.	226	278	281,402	1,012
96	Chicago-Big Muddy Coal & Coke Co.	Marion.	195	259	280,900	1,085
97	Silver Creek Col. Co.	Farmington.	225	261	279,708	1,072
98	North Breese Coal Mining Co.	Breese.	258	173	278,229	1,608
99	Taylor Mining Co., No. 2.	Herrin.	236	181	277,823	1,535
100	Chi., Wilm. & Franklin Coal Co., No. 3.	So. Wilmington	480	259	276,880	1,079
101	Southern Coal, Coke & Mining Co., No. 7.	Belleville.	281	220	275,883	1,254
102	Wolschlag Co-operative Coal Co.	Peoria.	180	298	273,315	917
103	West Virginia Coal Co.	Marion.	230	220	273,067	1,241
104	Smith-Lohr Coal Mining Co.	Pana.	316	256	271,687	1,061
105	By Products Coke Corporation, No. 19.	W. Frankfort	340	176	269,641	1,532
106	Springvalley Coal Co., No. 1.	Springvalley.	514	250	268,607	1,074
107	Taylor Mining Co., No. 5.	Herrin.	217	193	267,177	1,384
108	Chicago & Carterville Coal Co., B.	Herrin.	332	213	264,759	1,243
109	Mt. Olive Coal Co.	Mt. Olive.	260	186	264,515	1,422
110	Willis Coal & Mining Co., No. 6.	Percy.	262	212	261,444	1,233
111	Donk Bros. Coal & Coke Co., No. 3.	Troy.	291	263	259,591	987
112	Kolb Coal Co., No. 2.	Mascoutah.	205	214	259,010	1,210
113	Latham Coal & Mining Co.	Lincoln.	343	268	256,642	958
114	St. Ellen Coal Co.	O'Fallon.	266	181	256,544	1,417
115	Saline County Coal Co., No. 2.	Harrisburg.	293	188	255,623	1,360
116	Seranton & Big Muddy Coal Mining Co.	Marion.	204	212	247,638	1,168
117	Big Muddy Coal & Iron Co., No. 9.	Murphysboro.	284	157	246,465	1,570
118	Big Muddy Fuel Co.	Johnston City.	236	247	243,992	988
119	Illinois Fuel Co., No. 4.	Sparta.	198	271	240,460	887
120	Lovington Coal Mining Co.	Lovington.	200	258	239,818	929
121	Odin Coal Co.	Odin.	250	263	239,369	910
122	Springvalley Coal Co., No. 5.	Dalzell.	395	246	236,329	961
123	Citizens Coal Mining Co., B.	Springfield.	228	251	235,947	940
124	Saline County Coal Co., No. 6.	Harrisburg.	210	243	235,151	968
125	Breese-Trenton Mining Co., Breese.	Breese.	201	206	234,396	1,138
126	Illinois Third Vein Coal Co.	Ladd.	463	256	233,597	914
127	Clark Coal & Coke Co.	Peoria.	269	276	232,594	843
128	Pond Creek Coal Co.	Herrin.	288	217	226,882	1,046
129	Haer Washed Coal Co.	Carterville.	272	170	223,721	1,316
130	Harrisburg Saline Col. Co., No. 15.	Harrisburg.	253	183	222,865	1,218
131	M. E. Case Coal Co.	Peoria.	226	283	221,254	782
132	Montour Coal Co., No. 400.	Springfield.	204	258	219,513	851
133	Groveland Mining Co.	Peoria.	201	286	217,491	760
134	Peabody Coal Co., No. 5.	Pawnee.	300	154	213,612	1,387
135	Springfield District Coal Mining Co., No. 7.	Springfield.	206	243	213,201	877
136	United States Fuel Co., M. F.	Benton.	243	217	207,639	957
137	Big Creek Coal Co., No. 4.	Dunfermline.	254	247	207,007	838
138	Taylor Collieries Co., No. 6.	Benton.	366	196	206,636	1,054
139	Pratt Bros.	Herrin.	207	200	201,331	1,007
140	Springfield District Coal Mining Co., No. 1.	Andrews.	186	202	197,698	979
141	Oglesby Coal Co.	Oglesby.	312	269	197,584	735
142	Taylor Mining Co., No. 1.	Herrin.	196	162	196,537	1,213
143	O'Gara Coal Co., No. 8.	Eldorado.	204	222	194,932	878
144	Springfield Co-operative Coal Co.	Springfield.	192	259	191,800	741
145	LaSalle County Carbon Coal Co., No. 5.	LaSalle.	350	236	189,860	804
146	Moffat Coal Co.	Sparta.	186	243	189,282	779
147	St. Louis & O'Fallon Coal Co., No. 1.	East St. Louis.	203	189	184,600	977
148	Superior Mining Co.	Belleville.	115	248	183,607	740
149	Tuxhorn Coal Co.	Springfield.	213	205	180,711	882
150	LaSalle County Carbon Coal Co., No. 5.	LaSalle.	279	262	180,220	688
151	Manufacturers & Consumers Coal Co.	Decatur.	233	282	180,105	639
152	Citizens Coal Mining Co.	Lincoln.	159	263	177,849	676
153	Auburn & Alton Coal Co.	Auburn.	186	223	176,770	792
154	Wasson Coal Co., No. 2.	Carriers Mills.	223	209	176,351	844
155	Carlville Coal Co.	Carlville.	182	244	175,344	719
156	Monmouth Coal Mining Co.	Breereton.	200	258	172,413	668
157	Harrisburg Big Muddy Coal Co.	Harrisburg.	192	199	171,576	862
158	Wenona Coal Co.	Wenona.	292	292	170,925	588
159	Mathiessen & Hegeler Zinc Co.	LaSalle.	155	273	170,148	623
160	Missionfield Coal Co., No. 2.	Oakwood.	150	276	169,268	613
161	C. & E. I. Coal Properties, No. 12.	Witt.	287	154	167,163	1,085
162	Eldnar Coal Co.	Belleville.	149	207	166,123	803
163	Alden Coal Co., No. 8.	Farmington.	157	260	163,876	630
164	Lincoln Mining Co.	Lincoln.	172	217	162,020	747

TABLE 10—Concluded.

Rank.	Companies.	Location.	Men.	Days.	Total tons.	Average tons per day.
165	Duncan Coal Co.....	Herrin.....	168	180	161,802	899
166	O'Gara Coal Co., No. 4.....	Harrisburg.....	167	188	160,381	853
167	Two Rivers Coal Co.....	Danville.....	78	263	159,373	606
168	Williamson County Coal Co.....	Johnston City.....	215	201	158,746	790
169	Creseent Coal Co.....	Peoria.....	215	257	158,310	616
170	Ritehey Coal Co.....	Pinckneyville.....	181	239	156,504	654
171	Suburban Coal & Mining Co.....	Belleville.....	100	267	156,356	586
172	Athens-Dawson Coal Co., No. 1.....	Athens.....	157	247	155,878	631
173	O'Gara Coal Co., No. 3.....	Harrisburg.....	218	169	154,669	915
174	National Coal Mining Co.....	Farmington.....	160	263	150,074	571
175	Star Coal Co., No. 3.....	Cuba.....	181	251	147,278	587
176	Tazewell Coal Co.....	Pekin.....	172	275	146,627	536
177	Ernest Coal Co.....	Johnston City.....	120	163	145,651	893
178	Mt. Olive & Staunton Coal Co., No. 1.....	Staunton.....	213	132	144,297	949
179	Missionfield Coal Co., No. 3.....	Oakwood.....	135	276	143,855	521
180	Spring Creek Coal Co.....	Springfield.....	147	271	143,463	529
181	Carbon Hill Coal Co.....	Danville.....	65	240	143,439	598
182	Harrisburg Big Muddy Coal Co., No. 14.....	Harrisburg.....	218	169	143,390	848
183	Simmons Coal Co.....	Canton.....	156	223	137,674	617
184	Roanoke Coal Co.....	Roanoke.....	223	295	132,811	450
185	Taylor Mining Co., No. 3.....	Herrin.....	205	128	132,476	1,035
186	Maplewood Col. Co.....	Farmington.....	110	278	132,053	475
187	Wilmingtion Star Mining Co., No. 7.....	Coal City.....	223	275	129,884	472
188	Eagle Mining Co.....	Canton.....	165	251	128,085	510
189	Alden Coal Co., No. 6.....	Norris.....	161	252	127,839	507
190	International Coal & Mining Co., Carbon.....	O'Fallon.....	95	172	127,324	740
191	Montour Coal Co., No. 402.....	Virden.....	216	150	126,917	846
192	Pana Coal Co.....	Pana.....	300	161	123,005	764
193	Alden Coal Co., No. 5.....	Farmington.....	145	261	120,620	460
194	Big Creek Coal Co., No. 3.....	Cuba.....	145	207	118,717	574
195	Logan Coal Co.....	Hanna City.....	132	263	118,466	451
196	Mulberry Hill Coal Co.....	Freeburg.....	90	143	118,100	826
197	Columbia Coal Co.....	Belleville.....	82	253	116,635	461
198	International Coal & Mining Co., Taylor.....	O'Fallon.....	170	129	115,307	894
199	Kolb Coal Co., No. 1.....	Mascoutah.....	103	338	112,972	334
200	Jones Bros. Coal & Mining Co., No. 2.....	Tilden.....	157	147	110,806	754
201	Newsam Bros.....	Glasford.....	110	260	110,587	425
202	Lumaghi Coal Co., No. 3.....	Collinsville.....	169	148	110,638	743
203	Carterville Big Muddy Coal Co.....	Cambria.....	219	195	109,204	560
204	Pocahontas Mining Co.....	Pocahontas.....	129	210	107,895	514
205	White County Mining & Power Co.....	Norris City.....	95	211	105,645	501
206	Star Coal Co., Star.....	Freeburg.....	72	201	103,254	514
207	Spoon River Col. Co.....	London Mills.....	131	261	102,239	392
208	Alden Coal Co., No. 7.....	Matherville.....	130	262	101,903	389
209	Egyptian Coal & Mining Co.....	Marissa.....	110	157	100,836	642
Total.....			69,257	233	72,171,283	1,491

Table 11 is a classification of the mines by employees and shows the number of mines, men and tonnage in each class.

TABLE 11—CLASSIFICATION OF MINES BY EMPLOYEES.

Operators employing—	Number of mines.	Number of men.	Tons mined.	Percentage of—		
				Mines.	Men.	Tons.
Less than 10 men.....	414	1,481	579,405	51.11	1.83	.73
10 but less than 50.....	110	2,382	1,720,712	13.58	2.94	2.18
50 but less than 100.....	55	3,994	3,216,708	6.79	4.94	4.07
100 but less than 200.....	67	9,914	8,560,538	8.27	12.26	10.84
200 but less than 300.....	69	16,452	15,062,238	8.52	20.34	19.07
300 but less than 400.....	32	10,908	10,620,338	3.95	13.48	13.44
400 but less than 500.....	22	9,856	10,390,313	2.72	12.18	13.16
500 but less than 600.....	20	10,970	12,122,283	2.47	13.56	15.35
600 but less than 700.....	12	7,714	8,624,495	1.48	9.54	10.92
700 and over.....	9	7,222	8,086,497	1.11	8.93	10.24
Total.....	810	80,893	75,983,527	100.00	100.00	100.00

GAIN OR LOSS IN MINES.

Table 12 shows for 18 years the number of mines, both shipping and local, at the beginning of the year, the number opened and the number closed during the year and the number in operation at the close of the year with the gain or loss, each year—1900 to 1917 inclusive.

TABLE 12—SHIPPING AND LOCAL MINES, NUMBER OPENED AND CLOSED AND THE GAIN OR LOSS, FOR 18 YEARS.

Year.	Number of mines—								Gain.		Loss.	
	At beginning of year.		New or re-opened.		Abandoned or temporarily closed.		At close of year.					
	Shipping.	Local.	Shipping.	Local.	Shipping.	Local.	Shipping.	Local.	Shipping.	Local.	Shipping.	Local.
1900.....	321	568	2	145	.....	116	323	597	2	29	.....	.....
1901.....	323	597	8	130	.....	143	331	584	8	.....	.....	13
1902.....	331	584	1	110	.....	111	332	583	1	.....	.....	1
1903.....	332	583	21	88	.....	91	353	580	21	.....	.....	3
1904.....	353	580	27	82	.....	110	380	552	27	.....	.....	28
1905.....	380	552	17	151	.....	110	397	593	17	41	.....	.....
1906.....	497	593	22	129	.....	123	419	599	22	6	.....	.....
1907.....	419	599	.....	88	8	165	411	522	.....	.....	8	77
1908.....	411	522	16	81	20	88	407	515	.....	.....	4	7
1909.....	407	515	18	63	41	76	384	502	.....	.....	23	13
1910.....	384	502	27	59	21	70	390	491	6	.....	.....	11
1911.....	390	491	29	155	32	188	387	458	.....	.....	3	33
1912.....	387	458	15	161	22	120	380	499	.....	41	7	.....
1913.....	380	499	15	71	24	101	371	469	.....	.....	9	30
1914.....	371	469	10	79	41	92	340	456	.....	.....	31	13
1915.....	340	456	6	116	63	76	280	499	.....	43	60	.....
1916.....	280	499	22	115	18	95	284	519	4	20	.....	.....
1917.....	284	519	41	116	5	145	324	486	40	.....	.....	33

Table 13. In this table is given the counties in which shipping mines are located, showing the number of mines, men and tons produced for the year and for 1916, with the gain or loss.

TABLE 13—SHIPPING MINES, NUMBER OF MINES, MEN AND TONS, BY COUNTIES, WITH THE GAIN OR LOSS FOR THE YEAR 1917.

Counties.	1916			1917			Gain (+) or loss (—).		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
The State....	284	72,998	62,283,236	324	78,056	77,412,054	+40	+5,058	+15,128,818
Bond.....	1	99	56,482	1	129	107,895	.....	+30	+51,413
Bureau.....	5	2,811	1,293,310	5	2,514	1,383,175	.....	—297	+89,865
Christian.....	8	2,433	2,373,362	9	2,750	2,322,167	+1	+317	+448,805
Clinton.....	4	1,239	1,395,588	5	1,401	1,426,594	+1	+162	+31,006
Franklin.....	19	8,606	9,070,811	21	10,511	11,317,657	+2	+1,905	+2,246,846
Fulton.....	18	2,760	1,901,309	19	2,880	2,548,722	+1	+120	+647,413
Gallatin.....	2	135	50,549	2	164	116,145	.....	+29	+65,596
Grundy.....	2	728	303,415	2	703	406,264	.....	—25	+102,849
Jackson.....	6	919	805,647	6	977	798,080	.....	+58	—7,567

TABLE 13—Concluded.

Counties.	1916			1917			Gain (+) or loss (—).			
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.	
LaSalle.....	11	2,193	928,471	9	1,617	885,774	—2	—576	—42,697	
Livingston.....	2	97	50,363	2	98	65,398	.....	+1	+15,035	
Logan.....	3	624	401,460	3	673	596,511	.....	+49	+195,051	
Macon.....	2	376	173,530	3	462	259,004	.....	+1	+85,474	
Macoupin.....	10	5,253	5,251,808	12	5,362	6,578,833	.....	+2	+1,327,025	
Madison.....	10	3,715	3,717,677	15	4,194	5,012,787	.....	+5	+1,295,110	
Marion.....	4	1,046	900,493	4	1,045	1,088,619	.....	—1	+188,126	
Marshall.....	2	1,029	434,803	3	958	466,184	.....	+1	+31,381	
McLean.....	2	183	83,775	2	166	89,412	.....	—17	+5,637	
Menard.....	1	156	126,986	1	157	155,878	.....	+1	+28,892	
Mercer.....	3	423	336,848	3	315	237,292	.....	—108	—99,556	
Montgomery.....	7	3,074	3,123,882	9	3,576	3,641,676	.....	+2	+517,794	
Moultrie.....	1	178	180,040	1	200	239,818	.....	.....	+22	+59,778
Peoria.....	11	1,395	1,195,000	11	1,404	1,352,321	.....	.....	+9	+157,321
Perry.....	11	2,483	2,491,132	11	2,502	2,450,336	.....	.....	+19	—40,796
Putnam.....	2	1,293	648,802	2	1,177	712,535	.....	.....	—116	+63,733
Randolph.....	9	1,234	902,434	9	1,227	1,133,134	.....	.....	—7	+230,700
Saline.....	17	4,768	4,477,062	18	4,745	4,496,034	.....	+1	—23	+18,972
Sangamon.....	21	6,622	4,784,315	26	6,739	6,938,083	.....	+5	+117	+2,153,768
Shelby.....	1	110	76,533	2	179	89,032	.....	+1	+69	+12,499
Stark.....	.....	.....	.....	1	19	7,552	.....	+1	+19	+7,552
St. Clair.....	37	3,844	3,181,775	47	5,227	5,632,416	.....	+10	+1,383	+2,470,641
Tazewell.....	4	411	271,853	5	483	430,340	.....	+1	+42	+158,487
Vermilion.....	10	2,786	2,473,696	13	3,039	3,137,051	.....	+3	+253	+663,355
Washington.....	3	556	603,088	3	645	756,950	.....	.....	+89	+153,862
White.....	1	60	27,151	1	95	105,645	.....	.....	+35	+78,494
Will.....	2	364	124,444	1	150	70,462	.....	—1	—214	—53,982
Williamson.....	30	8,502	7,880,259	35	9,241	9,634,680	.....	+5	+739	+1,754,421
Woodford.....	2	463	185,083	2	332	201,598	.....	.....	—131	+16,515

Table 14 is a list of the shipping mines, showing the name of the company, the number and location of the mines operated by each, the total output and the disposition of the product.

TABLE 14—SHIPPING OR COMMERCIAL COLLIERIES—DISTRIBUTION OF OUTPUT FOR YEAR 1917.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output— all grades— tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
	All Shipping Mines.....	324	.....	77,412,054	53,115,828	627,888	19,806,419	1,577,216	2,284,703
1	Old Ben C. Corp..	6	.....	5,085,532	4,309,910	6	602,497	30,460	142,659
	Old Ben C. Corp.	2	W. Frankfort	2,026,458	1,787,702	6	174,250	13,540	50,960
	Old Ben C. Corp..	4	Christopher..	3,059,074	2,522,208	.....	428,247	16,920	91,699
2	Peabody C. Co...	7	.....	3,450,004	2,865,402	2,901	511,400	20,948	49,353
	Peabody C. Co...	2	Kineaid.....	1,299,044	1,288,156	.....	.....	7,331	3,557
	Peabody C. Co...	1	Marion.....	627,400	461,920	.....	143,705	36	21,739
	Peabody C. Co...	1	Stonington...	448,248	143,275	.....	286,258	9,049	9,666
	Peabody C. Co...	1	Westville....	431,979	425,937	.....	.....	643	5,399
	Peabody C. Co...	1	Sherman.....	429,721	424,632	.....	.....	56	5,033
	Peabody C. Co...	1	Pawnee.....	213,612	121,482	2,901	81,437	3,833	3,959
3	Superior Coal Co.	3	Gillespie.....	3,115,546	.....	.....	3,050,058	12,085	53,403

TABLE 14—Continued.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output— all grades— tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
4	Consolidated C. C.	6	.....	3,053,308	490,850	.....	2,399,051	1,003	162,404
	Consolidated C. C.	2	Staunton.....	1,453,279	.....	.....	1,364,520	.....	88,759
	Consolidated C. C.	1	Mt. Olive.....	610,040	.....	.....	589,531	.....	20,509
	Consolidated C. C.	1	Johnston City.....	458,043	6,440	.....	445,000	1,003	5,600
	Consolidated C. C.	1	Collinsville.....	437,247	393,855	.....	.....	.....	43,392
	Consolidated C. C.	1	Breese.....	94,699	90,555	.....	.....	.....	4,144
5	Spfld. Dist. Coal Mining Co.....	7	.....	2,299,248	1,053,423	3,689	1,058,660	129,175	54,301
	Spfld. Dist. Coal Mining Co.....	3	Springfield...	830,479	389,517	.....	334,842	87,243	18,877
	Spfld. Dist. Coal Mining Co.....	1	Riverton.....	500,517	176,678	.....	307,568	5,596	10,675
	Spfld. Dist. Coal Mining Co.....	1	Auburn.....	454,700	233,097	.....	211,328	2,397	7,878
	Spfld. Dist. Coal Mining Co.....	1	Taylorville...	315,854	121,612	3,689	144,685	33,742	12,126
	Spfld. Dist. Coal Mining Co.....	1	Andrew.....	197,698	132,519	.....	60,237	197	4,745
6	U. S. Fuel Co....	5	.....	2,161,112	1,470,216	.....	635,742	22,719	32,435
	U. S. Fuel Co....	4	Westville.....	1,953,473	1,265,130	.....	635,742	20,784	31,817
	U. S. Fuel Co....	1	Benton.....	207,639	205,086	.....	.....	1,935	618
7	Madison C. Corp..	4	.....	2,160,232	369,123	.....	1,721,183	13,607	56,319
	Madison C. Corp..	2	Dewmaine.....	1,047,033	.....	.....	1,017,262	4,669	25,102
	Madison C. Corp..	1	Divernon.....	726,319	.....	.....	703,921	5,630	16,768
	Madison C. Corp..	1	Glen Carbon..	386,880	369,123	.....	.....	3,308	14,449
8	O'Gara Coal Co...	7	.....	1,975,870	1,900,021	.....	.....	26,561	49,288
	O'Gara Coal Co...	5	Harrisburg...	1,439,258	1,387,783	.....	.....	13,869	37,606
	O'Gara Coal Co...	2	Eldorado.....	536,612	512,238	.....	.....	12,692	11,682
9	C., W. & F. C. C.	3	.....	1,961,834	1,520,025	.....	376,365	17,452	47,992
	C., W. & F. C. C.	1	Orient.....	1,008,474	920,872	.....	63,148	2,065	22,389
	C., W. & F. C. C.	1	Thayer.....	676,980	360,036	.....	295,120	5,472	16,352
	C., W. & F. C. C.	1	S. Wilm'ton..	276,380	239,117	.....	18,097	9,915	9,251
10	C. & E. I. C. Prop.	5	.....	1,928,633	1,449,642	.....	456,539	7,018	15,434
	C. & E. I. C. Prop.	2	Witt.....	812,941	797,853	.....	.....	5,551	9,537
	C. & E. I. C. Prop.	1	Nokomis.....	594,411	199,840	.....	393,378	302	891
	C. & E. I. C. Prop.	1	Hillsboro.....	481,224	427,742	.....	48,124	1,090	4,268
	C. & E. I. C. Prop.	1	Taylor Spring	40,057	24,207	.....	15,037	75	738
11	Donk Bros. Coal & Coke Co....	3	.....	1,674,885	1,630,632	1,625	.....	8,086	34,542
	Donk Bros. Coal & Coke Co....	1	Maryville....	866,317	849,030	1,562	.....	1,877	13,848
	Donk Bros. Coal & Coke Co....	1	Collinsville...	548,977	535,269	63	.....	359	13,286
	Donk Bros. Coal & Coke Co....	1	Troy.....	259,591	246,333	.....	.....	5,850	7,408
12	So. C., C. M. Co..	5	.....	1,391,372	1,194,082	545	140,575	14,138	42,032
	So. C., C. M. Co..	4	Belleville....	891,732	728,710	545	133,150	10,718	18,609
	So. C., C. M. Co..	1	New Baden....	499,640	465,372	.....	7,425	3,420	23,423

TABLE 14—Continued.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output—all grades—tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
13	Big Muddy Coal & Iron Co.....	1	.....	1,306,876	938,289	.....	255,015	7,301	106,271
	Big Muddy Coal & Iron Co.....	1	Clifford.....	491,388	253,294	.....	180,501	2,574	55,019
	Big Muddy Coal & Iron Co.....	1	Herrin.....	481,278	365,583	.....	74,514	4,727	36,454
	Big Muddy Coal & Iron Co.....	2	Murphysboro.....	334,210	319,412	.....	.....	.....	14,798
14	Bell & Zoler M. C. Co.....	1	Zeigler.....	1,065,359	1,000,493	1,085	13,724	2,468	47,589
15	Mt. Olive & Staunton Coal Co.....	2	Staunton.....	1,046,178	1,005,992	6,742	.....	3,158	30,286
16	W. P. Rend C. C. Co.....	2	.....	1,029,455	923,612	.....	66,606	3,529	35,708
	W. P. Rend C. C. Co.....	1	Herrin.....	702,304	611,993	.....	66,606	1,565	22,140
	W. P. Rend C. C. Co.....	1	Rend.....	327,151	311,619	.....	.....	1,964	13,568
17	St. L. & O'Fallon Coal Co.....	2	E. St. Louis.....	1,027,475	988,793	11,272	.....	798	26,612
18	Saline Co. C. Co.....	3	Harrisburg.....	985,302	749,361	.....	211,000	3,200	21,741
19	New Staunton C. Co.....	1	Livingston.....	937,004	924,507	.....	.....	5,225	7,272
20	Taylor M. Co.....	4	Herrin.....	874,013	737,994	.....	119,125	2,464	14,430
21	Springvalley C. C. Co.....	3	.....	826,890	259,247	11,194	509,876	23,977	22,596
	Springvalley C. C. Co.....	2	Springvalley.....	590,561	259,247	11,194	281,644	22,114	16,362
	Springvalley C. C. Co.....	1	Dalzell.....	236,329	.....	.....	228,232	1,863	6,234
22	Chi. & C. C. Co.....	2	Herrin.....	787,132	514,374	.....	215,734	8,481	48,543
23	St. Paul C. Co.....	2	.....	749,850	706,285	3,340	.....	9,371	30,854
	St. Paul C. Co.....	1	Granville.....	427,562	406,437	3,340	.....	4,540	13,245
	St. Paul C. Co.....	1	Cherry.....	322,288	299,848	.....	.....	4,831	17,609
24	Centralia C. Co.....	1	Centralia.....	705,514	688,098	.....	.....	.....	17,416
25	Shoal Creek C. Co.....	1	Panama.....	680,946	283,147	25	356,062	3,262	38,450
26	Montour C. Co.....	3	.....	665,008	371,149	.....	259,772	16,380	17,707
	Montour C. Co.....	1	Girard.....	318,578	134,661	.....	166,316	11,694	5,907
	Montour C. Co.....	1	Springfield.....	219,513	171,011	.....	38,760	2,419	7,383
	Montour C. Co.....	1	Virden.....	126,917	65,477	.....	54,756	2,267	4,417
27	Johnston C. C. Co.....	1	Johnston City.....	636,262	400,826	.....	226,977	.....	8,459
28	Big Creek C. Co.....	3	.....	625,851	599,509	1,232	.....	2,158	22,912
	Big Creek C. Co.....	1	St. David.....	300,127	288,593	.....	.....	.....	11,534
	Big Creek C. Co.....	1	Dunfermline.....	207,007	196,978	.....	.....	847	9,182
	Big Creek C. Co.....	1	Cuba.....	118,717	113,938	1,232	.....	1,351	2,196
29	W. Frank C. Co.....	1	W. Frankfort.....	624,714	549,391	.....	58,323	5,000	12,000
30	Franklin C. & C. Co.....	2	Royalton.....	619,944	580,312	.....	.....	3,623	36,009
31	Nokomis C. Co.....	1	Nokomis.....	605,808	586,834	.....	.....	4,557	14,477
32	Willis C. M. Co.....	2	.....	600,709	70,679	.....	509,572	2,080	18,378
	Willis C. M. Co.....	1	Willisville.....	339,265	.....	.....	324,659	1,357	13,249
	Willis C. M. Co.....	1	Perry.....	261,444	70,679	.....	184,913	723	5,129
33	By Products C. C. Co.....	2	W. Frankfort.....	565,694	550,505	.....	.....	360	14,829
34	Wasson Coal Co.....	2	.....	560,906	505,573	.....	49,325	1,000	5,008
	Wasson C. Co.....	1	Wasson.....	384,555	357,197	.....	21,750	600	5,008
	Wasson C. Co.....	1	Carriers Mills.....	176,351	148,376	.....	27,575	400	.....
35	Majestic C. & C. C. Co.....	1	Duquoin.....	599,540	369,065	.....	208,975	8,500	13,000

TABLE 14—Continued.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output— all grades— tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
35	Marion Co. C. Co.	1	Glenridge....	557,458	431,153	.....	118,210	836	7,259
37	Breese-Trenton Mining Co.....	2	Breese.....	554,026	300,363	61,681	153,624	15,125	23,233
38	Security C. & M. Co.....	1	Duquoin.....	550,261	528,545	.....	.....	784	20,932
39	LaSalle Co. C. C. Co.....	4	LaSalle.....	528,522	274,341	20,202	139,301	71,167	23,511
40	Lumaght C. Co.....	2	Collinsville...	520,759	350,577	.....	163,619	.....	6,563
41	Alden Coal Co.....	4	.....	513,638	253,647	.....	245,065	2,402	12,524
	Alden Coal Co.....	2	Farmington..	283,896	141,271	.....	136,497	694	5,434
	Alden Coal Co.....	1	Norris.....	127,839	60,442	.....	60,226	1,708	5,463
	Alden Coal Co.....	1	Matherville...	101,903	51,934	.....	48,342	.....	1,627
42	Sesser Coal Co.....	1	Sesser.....	509,324	338,874	.....	145,448	.....	25,002
43	Royal Col. Co.....	1	Virden.....	508,097	234,106	.....	254,265	5,059	14,667
44	Kolb Coal Co.....	4	.....	484,489	388,699	80,438	.....	5,320	10,032
	Kolb Coal Co.....	2	Mascoutah..	371,982	307,956	52,649	.....	5,320	6,057
	Kolb Coal Co.....	2	New Athens..	112,507	80,743	27,789	.....	.....	3,975
45	Paradise C. Co.....	1	Duquoin.....	483,483	391,891	41,302	32,591	5,698	12,001
46	Searls Coal Co.....	1	Johnston City	464,313	403,718	50,000	.....	4,415	6,180
47	Jones & Adams..	1	Springfield...	450,455	334,914	1,540	100,881	.....	13,120
48	Benton C. Co.....	1	Benton.....	440,864	415,786	.....	.....	15,078	10,000
49	T. G. Warden.....	1	Herrin.....	395,070	344,222	.....	.....	2,678	48,170
50	Chi. & Spfld. C. C. Co.....	1	Springfield...	347,523	346,323	.....	.....	.....	1,200
51	John A. Logan Coal Co.....	1	Logan.....	344,116	273,672	.....	65,553	3,000	1,891
52	J. Derring C. Co.....	1	Eldorado.....	341,344	335,515	.....	.....	.....	5,829
53	Wilcoxon C. & C. Co.....	1	Springfield...	330,339	254,854	.....	62,685	5,500	7,300
54	Hillsboro C. Co.....	1	Hillsboro.....	328,839	202,444	.....	101,148	15,382	9,865
55	Western C. & M. Co.....	2	.....	326,435	.....	.....	301,259	1,847	23,329
	Western C. & M. Co.....	1	Bush.....	281,402	.....	.....	258,771	1,847	20,784
	Western C. & M. Co.....	1	Royalton.....	45,033	.....	.....	42,488	.....	2,545
56	Star Coal Co.....	4	.....	325,644	184,370	.....	126,954	6,500	7,820
	Star Coal Co.....	2	Cuba.....	185,390	72,180	.....	109,754	.....	3,456
	Star Coal Co.....	1	Freeburg.....	103,254	94,190	.....	.....	6,500	2,564
	Star Coal Co.....	1	Fiatt.....	37,000	18,000	.....	17,200	.....	1,800
57	Kerns Donnewald Coal Co.....	1	Worden.....	324,295	106,126	.....	210,163	4,102	3,904
58	Harrisburg B. M. Co.....	2	Harrisburg...	314,966	302,435	.....	.....	1,925	10,606
59	Missionfield C. Co.	2	Oakwood.....	313,123	124,230	1,020	187,873	.....	.....
60	Prairie C. Co.....	1	Belleville...	307,188	229,902	400	74,086	300	2,500
61	Citizens C. M. Co.	2	Springfield...	296,405	219,270	.....	61,835	8,864	6,436
62	Chi. & Sand. C. C.	2	Sandoval.....	291,792	185,620	.....	89,658	9,435	7,079
63	Jackson C. Co.....	1	Hallidayboro.	287,228	195,600	44,584	18,513	3,981	24,550
64	B. F. Berry C. Co.	1	Standard.....	284,973	134,336	.....	127,033	11,150	12,454
65	West End C. Co.....	1	Springfield...	283,673	238,026	.....	.....	39,251	6,396
66	Penwell C. M. Co.	1	Pana.....	282,521	228,897	23,935	.....	16,886	12,803
67	Toluca C. Co.....	1	Toluca.....	281,638	17,999	74,189	168,973	8,301	12,176
68	Chi. & B. M. C. & C. Co.....	1	Marion.....	280,900	223,566	.....	55,755	149	1,430
69	Silver Creek Col. Co.....	1	Farmington..	279,708	180,115	.....	95,092	.....	4,501
70	N. Breese C. M. C.	1	Breese.....	278,229	206,635	.....	63,043	.....	8,551
71	Wolschlag Co-operative C. Co.....	1	Peoria.....	273,315	273,315	.....	.....	.....	.....
72	W. Virginia C. Co.	1	Marion.....	273,067	108,377	.....	159,040	2,000	3,650
73	Smith-Lohr C. M. Co.....	1	Pana.....	271,687	232,311	.....	.....	10,285	29,091

TABLE 14—Continued.

Number.	Name of operator.	No. of mines.	Location. of mines.	Total output—all grades—tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
74	Mt. Olive C. Co.	1	Mt. Olive....	264,515	166,036	15,258	71,414	2,974	8,533
75	Latham C. & M. Co.	1	Lineola.....	256,642	226,887			23,055	6,700
76	St. Ellen C. Co.	1	O'Fallon.....	256,544	37,420	348	215,062	106	3,608
77	Seranton B. M. C. Co.	1	Marion.....	247,638	86,247		148,589	1,464	11,338
78	Big Muddy F. Co.	1	Johnston City	243,992	230,894		7,045	1,400	4,633
79	International C. & M. Co.	2	O'Fallon.....	242,631	233,947		2,060	1,669	4,955
80	Illinois Fuel Co.	1	Sparta.....	240,460	233,478				6,982
81	Lovington C. M. Co.	1	Lovington....	239,818	224,517			6,183	9,118
82	Odin C. Co.	1	Odin.....	239,369	146,481		77,891	3,682	11,315
83	Ill. Third Vein C. Co.	1	Ladd.....	233,997	51,926	24,175	134,091	7,268	16,537
84	Clark C. & C. Co.	1	Peoria.....	232,594	160,094		65,300		7,200
85	Pond Creek C. Co.	1	Herrin.....	226,882	203,438		11,737	400	11,307
86	Hafer Washed C. Co.	1	Cartersville...	223,721	205,792			506	17,423
87	Harrisburg Saline Col. Co.	1	Harrisburg....	222,865	216,877			424	5,564
88	M. E. Case C. Co.	1	Peoria.....	221,254	221,254				
89	Groveland M. Co.	1	Peoria.....	217,491	217,491				
90	Athens & Dawson C. Co.	2		214,385	152,469		46,950	9,055	5,911
	Athens & Dawson C. Co.	1	Athens.....	155,878	99,547		46,950	6,270	3,111
	Athens & Dawson C. Co.	1	Dawson.....	58,507	52,922			2,785	2,800
91	Taylor Col. Co.	1	Benton.....	206,636	190,617		462	3,259	12,298
92	Pratt Bros.	1	Herrin.....	201,331	194,850			900	5,581
93	Oglesby Coal Co.	1	Oglesby.....	197,584	61,209	1,166	116,220	7,118	11,871
94	Springfield Co-operative C. Co.	1	Springfield...	191,800	87,440		58,160	36,900	9,300
95	Moffat C. Co.	1	Sparta.....	189,282	93,313		92,909		3,060
96	Superior M. Co.	1	Belleville.....	183,607	152,948		24,797	2,367	3,495
97	Tuxhorn C. Co.	1	Springfield...	180,711	147,336		28,316	1,938	3,121
98	Mfgs & Cons. C. C.	1	Decatur.....	180,105	69,536			101,198	9,371
99	Citizens C. M. Co.	1	Lineola.....	177,849	116,597	23,668		23,708	13,876
100	Auburn & Alton C. Co.	1	Auburn.....	176,770	166,458			7,312	3,000
101	Carlinville C. Co.	1	Carlinville....	175,344	91,128	4,092	55,376	19,639	5,109
102	Monmouth C. Co.	1	Brereton.....	172,413	104,870		61,867		5,676
103	Wenona C. Co.	1	Wenona.....	170,925	147,457			11,190	12,278
104	Eldnar C. Co.	1	Belleville.....	166,123	165,123	1,000			
105	Lineola M. Co.	1	Lineola.....	162,020	131,754			23,470	6,796
106	Duncan C. Co.	1	Herrin.....	161,802	113,250		43,695	2,530	2,327
107	Two Rivers C. C.	1	Danville.....	159,373	109,992		47,811		1,570
108	Williamson Co. C. Co.	1	Johnston City	158,746	139,634		14,710		4,402
109	Crescent C. Co.	1	Peoria.....	158,340	126,803		31,537		
110	Ritehey C. Co.	1	Pickneyville..	156,504	12,155	23,306	116,914	2,890	1,239
111	Suburban C. & M. Co.	1	Belleville.....	156,356	151,453			2,100	2,863
112	National C. M. Co.	1	Farmington....	150,074	77,940		65,909	276	5,949
113	Tazewell C. Co.	1	Pekin.....	146,627	97,143		38,934	6,147	4,403
114	Ernest C. Co.	1	Johnston City	145,651	143,412			637	1,602
115	Spring Creek C. C.	1	Springfield...	143,463	138,962			709	3,792
116	Carbon Hill C. Co.	1	Danville.....	143,439	140,000		1,759		1,680
117	Simmons C. Co.	1	Canton.....	137,674	69,157		64,866		3,651
118	Coal Valley C. Co.	2		135,389	29,290	458	93,782	1,792	10,067
	Coal Valley C. Co.	1	Matherville..	98,209	19,701		72,623		5,885
	Coal Valley C. Co.	1	Sherrard.....	37,180	9,589	458	21,159	1,792	4,182

TABLE 14—Continued.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output— all grades— tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
119	Maplewood Col. Co.	1	Farmington...	132,053	124,275	.....	.....	804	6,974
120	Roanoke Coal Co.	1	Roanoke.....	132,811	34,974	9,795	71,633	8,879	7,530
121	Wilm. Star M. Co.	1	Coal City.....	129,884	110,413	.....	8,177	6,938	4,356
122	Eagle Mining Co.	1	Canton.....	128,085	81,070	11,445	28,204	5,861	1,505
123	Illinois Zinc Co.	2	.....	128,169	112,182	7,035	.....	2,156	4,736
124	Illinois Zinc Co.	1	Peru.....	72,645	61,669	7,095	.....	1,534	2,347
125	Illinois Zinc Co.	1	Deer Park....	53,524	50,513	.....	.....	622	2,389
126	Pana Coal Co.	1	Pana.....	123,005	.....	.....	118,544	1,348	3,113
127	Tilden Coal Co.	2	Tilden.....	122,720	78,678	.....	39,507	1,250	3,285
128	Logan Coal Co.	1	Hanna City...	118,466	62,466	.....	53,600	.....	2,400
129	Mulberry H. C. C.	1	Freeburg.....	118,109	114,169	.....	.....	700	3,240
130	Columbia C. Co.	1	Belleville....	116,635	113,235	.....	.....	340	3,060
131	Newsam Bros.	1	Glasford.....	110,587	92,518	.....	14,560	1,585	1,924
132	Jone Bros. C. M. Co.	1	Tilden.....	10,806	109,324	.....	.....	.....	1,482
133	Carterville B. M. Co.	1	Cambria.....	109,204	103,000	.....	1,004	.....	5,200
134	Pocahontas M. C.	1	Pocahontas...	107,895	79,882	.....	20,000	4,013	4,000
135	White Co. M. & P. Co.	1	Norris City...	105,645	51,394	3,196	40,215	7,644	3,196
136	Spoon River Col. Co.	1	London Mills.	102,239	66,521	.....	31,707	1,011	3,000
137	Egyptian C. & M. Co.	1	Marissa.....	100,836	45,370	.....	49,267	.....	6,199
138	Gartside Coal Co.	1	Murphysboro	99,687	62,951	.....	.....	30,136	6,600
139	New Enterprise Coal Co.	1	Marion.....	99,665	59,755	.....	39,714	101	95
140	Lincoln Park C. & B. Co.	1	Springfield...	98,846	40,176	.....	.....	53,677	4,993
141	St. Louis & Carterville Coal Co.	1	Coulterville...	98,359	94,359	.....	.....	2,500	1,500
142	Coffeen C. M. Co.	1	Coffeen.....	97,390	97,390	.....	.....	.....	.....
143	Warsaw Coal Co.	1	Edwards.....	94,256	57,344	.....	35,133	.....	1,779
144	Victoria Coal Co.	1	Belleville....	92,811	89,766	.....	.....	1,395	1,650
145	Federal Coal Co.	1	Carterville....	89,324	87,293	.....	.....	47	1,984
146	Wilson Bros. C. C.	1	Sparta.....	84,946	55,023	.....	26,628	1,105	2,190
147	Sangamon C. M. Co.	1	Springfield...	84,313	84,313	.....	.....	.....	.....
148	Moweaqua C. M. & Mfg. Co.	1	Moweaqua....	83,908	66,085	.....	.....	11,281	6,542
149	Jones Bros. C. Co.	1	Marissa.....	82,983	42,841	.....	26,636	12,340	1,166
150	Crown C. M. Co.	1	Craig.....	80,496	62,731	.....	12,703	608	4,454
151	Maplewood C. Co.	1	Farmington...	78,441	72,966	.....	.....	.....	5,475
152	McLean Co. C. Co.	1	Bloomington.	77,083	3,000	10,565	.....	55,260	8,258
153	Johnston City Washed C. Co.	1	Whiteash.....	76,832	74,381	.....	.....	326	2,125
154	Decatur Coal Co.	1	Decatur.....	73,937	21,940	.....	.....	48,347	3,650
155	Randolph Co. C. Co.	1	Coulterville...	73,196	35,400	.....	34,869	1,348	1,579
156	Wilm. C. M. & Mfg. Co.	1	Torino.....	70,462	62,702	.....	.....	4,160	3,600
157	Assumption C. & M. Co.	1	Assumption...	70,170	53,259	.....	.....	10,429	6,482
158	Minonk Coal Co.	1	Minonk.....	68,787	55,937	.....	.....	9,450	3,400
159	Sharon C. & B. C.	1	Georgetown...	66,578	52,580	.....	.....	11,868	2,130
160	Genuine Norris C. M. Co.	1	Norris.....	66,129	47,896	.....	16,160	487	1,616
161	Gus Blair B. M. C. Co.	1	Murphysboro	65,423	41,529	.....	.....	19,214	4,680
162	Aben Coal Co.	1	Belleville....	65,192	46,994	.....	3,760	13,038	1,400
163	Golden Rule C. C.	1	Lenzburg.....	63,982	59,334	.....	.....	2,759	1,889
164	Fullerton Coal Co.	1	Belleville....	63,150	60,833	.....	.....	876	1,441
165	Hickory Hill Coal Co.	1	Junction.....	62,829	61,381	1,208	.....	240	.....
166	Colliers Co-operative Coal Co.	1	Bartonville...	61,314	60,379	.....	.....	.....	935

TABLE 14—Continued.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output—all grades—tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
165	Forsythe Coal Co.	1	Marissa	57,526	53,228	.....	.....	2,650	1,648
166	H. E. Miller.....	1	Caseyville.....	55,456	53,956	.....	.....	.....	1,500
167	White Coal Co.....	1	Belleville.....	55,404	54,404	.....	.....	.....	700
168	Northern Coal Co.	1	Millstadt.....	54,896	51,247	1,320	.....	2,079	250
169	Ridge C. M. Co....	1	Marion.....	54,584	51,946	.....	.....	238	2,400
170	Harrisburg Col. Co.	1	Harco.....	54,385	19,083	.....	31,136	968	3,198
171	Northern C. Co....	1	Equality.....	53,316	19,884	.....	.....	432	3,000
172	Danville Col. Co..	1	Catlin.....	51,988	42,795	.....	3,395	578	5,220
173	West Side C. M. Co.	1	Conlterville..	50,280	42,975	.....	4,000	750	2,555
174	Pittsburg M. Co..	1	Belleville.....	48,061	34,664	.....	.....	11,525	1,872
175	Wilson Coal Co....	1	Cutler.....	47,453	38,871	5,355	.....	1,387	1,840
176	White-Sergeant C. Co.	1	Rentchler.....	47,143	45,367	.....	.....	576	1,200
177	Summit C. & M. Co.	1	Belleville.....	47,096	46,426	.....	.....	91	579
178	New National.....	1	do.....	44,222	40,916	.....	.....	2,211	1,095
179	City Coal Co.....	1	Edwardsville..	43,317	18,972	5,426	.....	15,024	3,895
180	Guest Coal Co....	1	Belleville.....	42,875	40,729	.....	.....	.....	2,146
181	Coal Creek M. Co.	1	Fairview.....	41,930	41,930	.....	.....	.....	.....
182	Durham Coal Co..	1	Galatia.....	40,396	26,060	4,698	.....	8,254	1,384
183	Murphy-Linskey Kasher C. Co....	1	Pontiac.....	38,398	18,269	.....	.....	17,900	2,229
184	Collier Coal Co....	1	Tamara.....	37,332	33,982	.....	.....	2,150	1,200
185	Nashville M. Co..	1	Nashville.....	36,900	16,100	10,500	.....	9,850	450
186	Oakdale C. & M. Co.	1	Belleville.....	36,762	16,608	.....	10,077	8,877	1,200
187	Madison Co. M. Co.	1	Edwardsville..	35,444	32,280	.....	.....	2,164	1,000
188	Groom Coal Co....	1	Belleville.....	32,863	28,202	2,869	.....	532	1,260
189	Bailey Bros.....	1	Sunfield.....	32,238	30,500	.....	.....	988	750
190	Lenzburg C. Co..	1	Lenzburg.....	32,179	30,459	.....	.....	820	900
191	Glendale C. & M. Co.	1	Freeburg.....	31,405	30,559	.....	.....	.....	846
192	Marion & Pittsburg Coal Co.	1	Pittsburg.....	30,162	28,246	116	.....	50	1,750
193	Ubben Coal Co....	1	Pekin.....	29,000	10,000	.....	.....	17,800	1,200
194	Mapleton C. Co....	1	Mapleton.....	28,454	20,000	.....	8,000	200	254
195	Lake Erie C. & M. Co.	1	Peoria.....	27,883	11,320	.....	.....	16,563	.....
196	German Coal Co..	1	Mapleton.....	27,619	27,169	.....	.....	450	.....
197	Highland C. Co....	1	Belleville.....	27,022	10,022	569	.....	12,256	4,175
198	Fairbury C. Co....	1	Fairbury.....	27,000	5,139	16,722	.....	4,904	235
199	Lancaster L. & T. Co.	1	Kingston M's.	26,122	25,522	.....	.....	600	.....
200	Soper Coal Co....	1	Cutler.....	25,405	23,513	542	.....	250	1,100
201	Cantral Coal Co..	1	Cantral.....	25,082	22,242	.....	.....	340	2,500
202	Jack Run C. Co..	1	Freeburg.....	23,907	22,837	.....	.....	.....	1,070
203	Abby Coal Corp..	1	Collinsville..	23,165	1,556	.....	.....	20,513	1,096
204	Peoples Coal Co..	1	Lebanon.....	22,747	12,247	.....	.....	8,500	2,500
205	G. & J. Coal Co..	1	Seneca.....	22,374	12,749	49	2,704	5,765	1,107
206	No. 12 Coal Co....	1	Springfield..	20,657	3,500	.....	.....	16,157	1,000
207	Eastside Coal Co.	1	Edwardsville..	19,580	1,357	.....	.....	17,903	320
208	Henderson & Wallace C. Co....	1	Marion.....	17,718	17,718	.....	.....	.....	.....
208	Ohio Fuel Co.....	1	Grape Creek..	16,448	16,448	.....	.....	.....	.....
210	Kuhn Col. Co....	1	DuBois.....	14,536	13,653	.....	.....	530	353
211	Acme Coal Co....	1	Sparland.....	13,621	10,400	.....	3,100	121	.....
212	New Freeburg C. Co.	1	Freeburg.....	12,794	11,346	.....	.....	948	500
213	Colfax Coal Co..	1	Colfax.....	12,329	9,313	.....	.....	1,670	1,346
214	Greenwood C. Co.	1	Edinburg.....	11,638	3,000	.....	.....	7,538	1,100
215	DeSoto-Peacock Coal Co.	1	DeSoto.....	11,532	9,000	.....	.....	2,032	500
216	Rutland Coal Co..	1	Rutland.....	11,125	9,113	.....	.....	870	1,142
217	Radium Coal Co..	1	Belleville.....	10,000	9,495	.....	.....	505	.....
218	Urbandale C. Co..	1	East Peoria..	9,339	8,000	.....	.....	1,339	.....
219	W. L. Scott C. Co.	1	Belleville.....	9,084	8,589	.....	.....	43	452

TABLE 14—Concluded.

Number.	Name of operator.	No. of mines.	Location of mines.	Total output— all grades— tons.	Disposition of output—tons.				
					Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed and wasted at the mine.
220	Lewis Coal Co....	1	Marion.....	9,000	9,000	.....	.....	.....	.....
221	Higbee Coal Co....	1	Wyoming.....	7,552	3,327	.....	.....	3,475	750
222	Ridge C. M. Co..	1	Greenridge....	6,517	6,254	.....	.....	11	252
223	E. Lewis Coal Co.	1	Marion.....	6,000	6,000	.....	.....	.....	.....
224	Tower Hill C. Co.	1	Tower Hill....	5,124	3,511	.....	.....	346	1,267
225	Niantic Min. Co.	1	Niantic.....	4,962	3,951	.....	.....	602	409
226	Beck-White Coal Co.....	1	Edwardsville..	1,280	1,140	.....	.....	.....	140
227	Enterprise Col. Co.....	1	Rentchler....	930	900	.....	.....	.....	30
228	Brady Branch C. Co.....	1	Danville.....	650	650	.....	.....	.....	.....

Table 15 gives the total output of shipping mines by districts, the grades into which it is divided and the number of tons in each grade.

TABLE 15—OUTPUT OF SHIPPING MINES BY DISTRICTS AND OF LOCAL MINES FOR THE STATE, SHOWING THE TONS OF DIFFERENT GRADES OF COAL.

District.	Total output— tons.	Tons of different grades of coal.					
		Mine run.	Lump.	Egg.	Nut.	Pea or screenings.	Slack or waste.
First.....	1,427,898	192,456	707,223	211,816	14,775	264,143	37,485
Second.....	1,628,019	93,704	1,106,819	116,356	8,024	289,235	13,881
Third.....	3,318,856	894,561	1,457,554	245,813	57,734	544,344	118,850
Fourth.....	2,548,722	257,252	766,375	733,656	66,972	660,999	63,468
Fifth.....	6,547,072	1,919,894	2,245,725	410,445	282,383	1,609,376	79,249
Sixth.....	7,624,006	1,416,755	2,555,860	1,508,800	118,156	1,893,538	130,897
Seventh.....	10,220,509	1,394,436	4,331,228	2,007,085	111,876	1,909,367	466,517
Eighth.....	7,635,895	1,231,827	2,861,926	946,505	284,472	1,980,499	330,666
Ninth.....	5,652,416	1,542,437	1,844,407	743,047	216,457	1,217,864	88,204
Tenth.....	5,138,500	1,575,945	1,284,571	670,665	234,647	1,316,689	55,983
Eleventh.....	16,035,481	2,960,283	3,010,417	2,606,288	2,026,027	5,143,873	288,593
Twelfth.....	9,634,680	2,863,838	1,608,875	1,332,129	1,440,692	2,140,583	284,563
Shipping mines..	77,412,054	16,343,388	23,780,980	11,532,605	4,862,215	18,934,510	1,958,356
Local mines....	1,571,473	1,007,964	469,659	.....	7,418	67,512	18,920
Total.....	78,983,527	17,351,352	24,250,639	11,532,605	4,869,633	19,002,022	1,977,276

Table 16. In this table is shown the number of counties containing mines, number of mines operated, number of employees and number of tons produced, each year—1890 to 1917.

TABLE 16—OUTPUT OF THE STATE FOR 28 YEARS, AND THE NUMBER OF MINES AND MEN PRODUCING THE SAME—1890-1917.

Year.	Number of—				Tons of—		Percentage of—	
	Coun- ties.	Mines.	Men.	Tons.	Lump.	Other grades.	Lump.	Other grades.
1890.....	57	936	28,574	15,274,727	12,638,364	2,636,363	82.74	17.26
1891.....	57	918	32,951	15,660,698	12,960,224	2,700,474	82.76	17.24
1892.....	55	839	33,632	17,862,276	14,730,963	3,131,313	82.47	17.53
1893.....	56	788	35,390	19,949,564	16,112,899	3,836,665	80.77	19.23
1894.....	56	836	38,477	17,113,576	13,865,284	3,248,292	81.02	18.98
1895.....	54	855	38,630	17,735,864	14,045,962	3,689,902	79.25	20.75
1896.....	51	962	37,057	19,786,626	14,210,024	5,576,602	71.86	28.14
1897.....	50	853	33,788	20,072,758	14,672,241	5,400,517	73.10	26.90
1898.....	52	881	35,026	18,599,299	14,208,795	4,390,504	76.39	23.61
1899.....	52	889	36,991	23,434,445	17,427,598	6,006,847	74.37	25.63
1900.....	52	920	39,384	25,153,929	13,927,899	11,226,030	44.63	55.37
1901.....	53	915	44,143	26,635,319	13,321,124	13,314,195	50.01	49.99
1902.....	54	915	46,005	30,021,300	15,041,673	14,979,627	50.10	49.90
1903.....	53	933	49,814	34,955,400	15,874,509	19,080,891	45.41	54.59
1904.....	54	932	54,774	37,077,897	16,888,010	20,189,887	45.55	54.45
1905.....	56	990	59,230	37,183,374	16,819,321	20,364,053	45.23	54.77
1906.....	54	1,018	62,283	38,317,581	16,878,088	21,439,493	44.05	55.95
1907.....	55	933	66,714	47,798,621	20,599,509	27,199,112	43.10	56.90
1908.....	54	922	70,841	49,272,452	21,166,563	28,105,889	42.96	57.04
1909.....	55	886	72,733	49,163,710	21,680,602	27,483,108	44.10	55.90
1910.....	55	881	74,634	48,717,853	20,769,930	27,947,923	42.63	57.37
1911.....	53	845	77,410	50,165,099	19,588,409	30,576,690	39.05	60.95
1912.....	52	879	79,411	57,514,240	21,795,527	35,718,713	37.90	62.10
1913.....	53	840	79,497	61,846,204	20,850,125	40,996,079	33.71	66.29
1914.....	52	796	80,035	60,715,795	22,311,693	38,404,102	36.75	63.25
1915.....	52	779	75,607	57,601,694	19,211,277	38,390,417	33.35	66.65
1916.....	51	803	75,919	63,673,530	21,768,006	41,905,524	34.19	65.81
1917.....	51	810	80,893	78,983,527	24,250,639	54,732,888	30.70	69.30

Table 17 shows the number of mines, number of employees, number of tons mined and the increase or decrease each year for 36 years.

TABLE 17—TOTAL NUMBER OF MINES, MEN AND TONS—1882 TO 1917—
WITH INCREASE OR DECREASE EACH YEAR.

Year.	Counties.	Mines.	Men.	Tons.	Increase.			Decrease.		
					Mines.	Men.	Tons.	Mines.	Men.	Tons.
1882.....	42	704	20,290	11,017,653	.....	.....	.....	.....	.....	.....
1883.....	47	639	23,939	12,123,456	.....	3,649	1,105,803	65	.....	.....
1884.....	49	741	25,675	12,208,075	102	1,636	84,619	.....	.....	.....
1885.....	50	778	25,946	11,834,459	37	371	.....	.....	.....	373,616
1886.....	50	787	25,846	11,175,241	9	.....	.....	100	.....	659,218
1887.....	49	801	26,804	12,423,066	14	958	1,247,825	.....	.....	.....
1888.....	50	822	29,410	14,328,181	21	2,606	1,905,115	.....	.....	.....
1889.....	49	854	30,076	14,017,298	32	666	.....	.....	.....	310,883
1890.....	57	936	28,574	15,274,727	82	.....	1,257,429	.....	1,502	.....
1891.....	57	918	32,951	15,660,698	.....	4,377	385,971	18	.....	.....
1892.....	55	839	33,632	17,862,276	.....	681	2,201,578	79	.....	.....
1893.....	56	788	35,390	19,949,564	.....	1,758	2,087,288	51	.....	.....
1894.....	56	836	38,477	17,113,576	48	3,087	.....	.....	.....	2,835,988
1895.....	54	855	38,630	17,735,864	19	153	622,288	.....	.....	.....
1896.....	51	862	37,057	19,786,626	7	.....	2,050,762	.....	1,573	.....
1897.....	50	853	33,788	20,072,758	.....	.....	286,132	48	3,269	.....
1898.....	52	881	35,026	18,599,299	28	1,238	.....	.....	.....	1,473,459
1899.....	52	889	36,991	23,434,445	8	1,965	4,835,146	.....	.....	.....
1900.....	52	920	39,384	25,153,929	31	2,393	1,719,484	.....	.....	.....
1901.....	53	915	44,143	26,635,319	.....	4,759	1,481,390	5	.....	.....
1902.....	54	915	46,005	30,021,300	.....	1,862	3,385,981	.....	.....	.....
1903.....	53	933	49,814	34,955,400	18	3,809	4,934,100	.....	.....	.....
1904.....	54	932	54,774	37,077,897	.....	4,960	2,122,497	1	.....	.....
1905.....	56	990	59,230	37,183,374	58	4,456	1,055,477	.....	.....	.....
1906.....	54	1,018	62,283	38,317,581	28	3,053	1,134,207	.....	.....	.....
1907.....	55	933	66,714	47,798,621	.....	4,431	9,481,040	85	.....	.....
1908.....	54	922	70,841	49,272,452	.....	4,127	1,473,831	11	.....	.....
1909.....	55	886	72,733	49,163,710	.....	1,832	.....	36	.....	108,742
1910.....	55	881	74,634	48,717,853	.....	1,901	.....	5	.....	445,857
1911.....	53	845	77,410	50,165,099	.....	2,776	1,447,246	36	.....	.....
1912.....	52	879	79,411	57,514,240	34	2,001	7,349,141	.....	.....	.....
1913.....	53	840	79,497	61,846,204	.....	86	4,331,964	39	.....	.....
1914.....	52	796	80,035	60,715,795	.....	538	.....	44	.....	1,130,409
1915.....	52	779	75,607	57,601,694	.....	.....	.....	17	4,428	3,114,101
1916.....	51	803	75,919	63,673,530	24	312	6,071,836	.....	.....	.....
1917.....	51	810	80,893	78,983,527	7	4,974	15,309,997	.....	.....	.....

OUTPUT BY MONTHS.

Table 18 shows the working time and production each month of the year in the shipping mines.

TABLE 18—TOTAL OUTPUT AND NUMBER OF DAYS

Number.	Name of operator.	Number of days in operation and tons of coal mined.									
		July.		August.		September.		October.		November.	
		Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
GRUNDY COUNTY—FIRST DISTRICT.											
1	Chi., Wilm. & Frank. C. Co., No. 3	10	9,581	16	16,137	20	20,233	23	25,185	24	27,825
2	Wilm. Star Mining Co., No. 7.....	12	5,976	17	8,091	21	10,368	25	12,570	25	11,802
	Total and average.....	11	15,557	16	24,228	20	30,601	24	37,755	25	39,627
LASALLE COUNTY—FIRST DISTRICT.											
1	Oglesby Coal Co.....	13	9,765	16	12,061	20	13,728	25	19,590	24	18,847
2	LaSalle Co. Carbon Coal Co., No. 5	11	8,410	17	11,877	17	12,691	25	19,423	23	19,194
3	LaSalle Co. Carbon Coal Co., No. 1	2	370	24	11,774	22	15,060	25	19,323	24	18,368
4	LaSalle Co. Carbon C. Co., Union.	12	5,608	14	6,405	24	9,450	26	9,885	24	9,507
5	Illinois Zinc Co., No. 3.....	19	4,719	18	4,533	18	4,809	18	4,949	22	5,841
6	LaSalle Co. Carbon C. Co., LaSalle	14	3,497	10	2,449	21	5,427	23	6,358	24	6,455
7	Illinois Zinc Co., No. 1.....	20	4,077	21	4,296	22	4,087	24	4,502	20	3,661
8	G. & J. Coal Co., No. 1.....	15	844	22	1,189	22	1,346	25	1,755	25	2,047
9	Rutland Coal Co., No. 2.....										
	Total and average.....	13	37,290	18	54,584	21	66,598	21	85,785	23	83,920
LIVINGSTON COUNTY—FIRST DISTRICT.											
1	Murphy, Linskey & Kasher C. Co., No. 1.....	6	507	16	1,656	22	2,503	25	3,497	24	3,651
2	Fairbury Coal Co., West.....	13	1,428	13	1,696	24	1,938	24	2,175	26	2,070
	Total and average.....	10	1,935	15	3,352	23	4,441	25	5,672	25	5,721
WILL COUNTY—FIRST DISTRICT.											
1	Wilm. C. Min. & Mfg. Co., No. 6.....	12	3,710	15	4,534	24	5,439	26	6,533	24	6,600
	The district.....	12	58,492	17	86,698	21	107,079	24	135,745	24	135,868
BUREAU COUNTY—SECOND DISTRICT.											
1	St. Paul Coal Co., No. 2.....	20	27,548	24	33,672	22	29,360	22	28,746	20	24,183
2	Springvalley Coal Co., No. 3.....	18	21,314	15	17,416	21	24,969	22	28,985	25	29,291
3	Springvalley Coal Co., No. 1.....	6	6,808	16	18,428	20	22,520	19	23,659	25	30,530
4	Springvalley Coal Co., No. 5.....	15	14,509	9	9,393	16	15,947	18	21,154	25	23,216
5	Illinois Third Vein Coal Co., No. 1	14	12,662	14	13,140	14	12,939	24	23,153	24	23,173
	Total and average.....	15	82,841	16	92,049	19	105,735	21	125,697	24	130,393
MERCER COUNTY—SECOND DISTRICT.											
1	Alden Coal Co., No. 7.....	15	3,408	14	3,418	23	5,813	23	7,658	22	7,427
2	Coal Valley Mining Co., No. 3.....					11	3,678	24	12,824	24	13,728
3	Coal Valley Mining Co., No. 2.....	15	1,548	27	1,867	25	2,591	26	3,003	25	3,571
	Total and average.....	15	4,956	21	5,285	20	12,082	24	23,485	24	24,726
STARK COUNTY—SECOND DISTRICT.											
1	Higbee Coal Co.....									13	382
	The district.....	15	87,797	17	97,334	19	117,817	22	149,182	23	155,501
MARSHALL COUNTY—THIRD DISTRICT.											
1	Toluca Coal Co., No. 1.....	24	22,859	27	24,544	25	24,419	25	25,106	24	23,992
2	Wenona Coal Co., No. 1.....	17	9,234	27	15,765	25	15,178	25	15,835	24	14,787
3	Acme Coal Co., No. 3.....										
	Total and average.....	21	32,093	27	40,309	25	39,597	25	40,941	24	38,779

WORKED EACH MONTH OF THE FISCAL YEAR.

Number of days in operation and tons of coal mined.

December.		January.		February.		March.		April.		May.		June.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
23	25,692	25	28,020	24	26,914	26	28,467	19	18,519	26	25,664	23	24,143	259	276,380	1
24	11,631	25	11,971	24	11,476	27	12,502	24	10,616	25	11,449	26	11,432	275	129,884	2
24	37,323	25	39,991	24	38,390	27	40,969	22	29,135	26	37,113	25	35,575	267	406,264	
23	16,997	26	18,851	24	18,119	27	19,770	22	15,343	25	17,721	24	16,792	269	197,584	1
24	21,537	19	17,568	18	15,137	23	19,929	19	14,689	21	15,499	19	13,906	236	189,860	2
25	18,729	26	20,028	24	18,145	25	18,057	16	9,838	24	14,695	25	15,833	262	180,220	3
24	9,531	26	9,652	24	8,648	26	9,014	23	5,618	26	6,850	24	7,421	273	97,589	4
25	6,915	27	7,331	24	6,917	27	7,926	19	5,859	23	6,606	22	6,240	262	72,645	5
25	7,115	26	7,509	24	4,810	24	4,559	20	3,352	25	5,922	14	3,400	250	60,853	6
24	4,584	27	5,298	24	4,825	27	5,429	22	4,404	23	4,397	23	3,964	277	53,524	7
25	2,637	26	2,375	25	2,065	25	2,344	22	1,813	26	1,943	25	2,016	283	22,374	8
..	.....	..	.....	..	.....	19	3,322	13	2,166	16	2,766	18	2,871	66	11,125	9
24	88,045	25	88,612	23	78,666	24	90,350	20	63,082	23	76,399	22	72,443	242	885,774	
25	3,916	26	4,483	24	4,166	25	4,206	21	3,159	23	3,383	22	3,271	259	38,398	1
14	2,187	15	2,848	22	2,750	26	2,649	26	1,974	20	2,663	26	2,622	249	27,000	2
20	6,103	21	7,331	23	6,916	26	6,855	24	5,133	22	6,046	24	5,893	254	65,398	
25	6,969	26	7,448	24	6,713	27	6,679	24	4,845	26	5,146	26	5,846	279	70,462	1
24	138,440	25	143,382	23	130,685	25	144,853	21	102,195	23	124,704	23	119,757	249	1,427,898	
24	27,403	23	24,841	21	23,729	26	31,099	22	22,898	25	25,610	23	23,199	272	322,288	1
24	28,802	26	31,815	24	28,667	25	30,256	20	23,657	25	29,717	25	27,065	270	321,954	2
24	27,040	26	29,157	24	22,451	25	23,717	14	11,270	26	26,793	25	26,234	250	268,607	3
24	24,091	26	25,988	24	22,495	25	23,720	21	18,990	22	18,619	21	18,207	246	236,329	4
25	23,677	26	23,755	24	22,421	25	23,187	21	18,418	23	19,313	22	18,159	256	233,997	5
24	131,013	25	135,556	23	119,763	25	131,979	20	95,233	24	120,052	23	112,864	259	1,383,175	
24	8,856	26	11,187	24	11,576	24	11,704	18	8,266	24	10,984	25	11,606	262	101,903	1
25	13,303	26	13,544	24	12,311	27	13,473	22	9,338	15	6,010	.....	.....	198	98,269	2
25	3,786	26	3,055	24	3,471	27	4,563	23	2,817	26	3,703	25	3,205	294	37,180	3
25	25,945	26	27,786	24	27,358	26	29,740	21	20,421	22	20,697	25	14,811	251	237,292	
23	1,029	25	1,130	23	1,377	19	1,028	17	547	21	1,071	20	988	161	7,552	1
24	157,987	26	164,472	24	148,498	25	162,747	22	116,201	23	141,820	23	128,663	245	1,628,019	
25	23,494	25	23,634	24	22,186	27	24,682	24	21,045	26	23,303	25	22,374	301	281,638	1
..	.....	21	1,961	22	2,512	24	2,407	20	2,290	22	2,277	21	2,174	130	13,621	2
25	37,996	24	41,620	23	39,418	26	43,046	22	35,164	24	39,574	24	37,647	241	466,184	

Continued.

Number of days in operation and tons of coal mined.																	Number.
December.		January.		February.		March.		April.		May.		June.		Total.			
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.		
23	15,924	24	14,971	22	14,828	19	12,790	17	10,693	24	15,375	24	12,764	247	155,878	1	
25	24,982	25	24,519	24	22,787	27	22,423	24	19,567	26	21,676	25	19,584	298	273,315	1	
24	21,612	26	25,198	24	23,855	27	26,255	22	18,604	26	21,118	25	19,705	276	232,594	2	
24	19,439	25	20,202	24	17,920	26	19,780	19	12,598	24	16,669	24	15,081	283	221,254	3	
24	17,361	26	18,484	24	15,265	25	13,801	18	8,524	26	13,770	26	15,789	257	158,340	4	
23	10,641	25	11,909	24	10,567	27	11,998	22	9,228	23	10,339	24	9,990	263	118,466	5	
25	12,505	26	14,208	23	12,339	21	10,726	21	8,822	26	12,161	26	12,059	260	110,587	6	
25	10,502	26	12,056	24	10,071	25	10,085	19	5,783	25	8,325	24	8,920	248	94,256	7	
21	5,798	24	5,319	23	5,020	24	5,269	20	4,694	20	4,824	19	4,753	256	61,314	8	
13	1,496	15	1,700	26	4,352	25	4,429	25	4,575	23	4,089	25	3,883	188	28,454	9	
21	2,460	22	2,719	24	2,202	23	2,833	19	2,406	22	2,710	14	1,629	228	27,619	10	
17	1,968	17	1,583	16	1,931	20	2,454	19	2,249	19	2,680	22	2,849	218	26,122	11	
22	128,764	23	137,897	23	126,839	25	130,053	21	97,050	24	118,361	23	114,242	252	1,352,321		
24	38,775	24	39,152	20	31,909	27	43,088	23	34,374	25	37,542	20	29,052	270	427,562	1	
25	28,650	24	27,172	20	25,028	26	30,761	23	23,457	26	25,564	21	24,527	253	284,973	2	
25	67,425	24	66,324	20	56,937	27	73,849	23	57,831	26	63,106	21	53,579	262	712,535		
24	17,459	25	19,294	23	18,162	22	18,996	24	19,450	26	20,875	25	17,719	286	217,491	1	
24	12,034	26	13,567	24	13,858	23	12,116	23	11,327	26	13,980	26	13,188	275	146,627	2	
24	2,494	25	3,417	24	3,921	26	4,096	23	2,074	20	1,961	25	1,714	278	29,000	3	
24	2,334	23	2,559	25	2,594	24	2,100	22	1,685	26	3,090	24	2,910	285	27,883	4	
23	645	21	1,264	22	1,787	14	1,098	24	1,280	25	1,487	25	1,482	167	9,339	5	
24	34,966	24	40,101	24	40,322	22	38,406	23	35,816	25	41,393	25	37,013	258	430,340		
25	12,074	26	12,093	24	11,195	26	11,628	24	9,346	25	10,345	26	9,460	295	132,811	1	
26	6,070	25	6,625	22	5,907	23	6,106	16	4,673	22	5,911	23	5,338	254	68,787	2	
23	18,144	26	18,718	23	17,102	25	17,734	20	14,019	24	16,256	25	14,798	275	201,598		
23	303,219	24	319,631	23	295,446	24	315,878	21	250,573	24	294,065	24	270,043	255	3,318,856		
24	24,961	25	30,866	23	27,094	23	29,915	20	24,377	25	30,362	20	22,241	259	300,127	1	
24	30,620	26	30,666	24	26,377	23	24,186	19	15,760	26	19,126	25	16,927	261	279,708	2	
23	19,371	25	21,285	22	19,686	22	18,895	7	5,106	22	18,897	22	15,388	247	207,007	3	
24	16,878	24	16,995	24	16,362	22	15,502	20	13,260	26	18,261	24	15,259	258	172,413	4	
24	15,670	26	17,128	24	15,788	25	16,173	13	8,098	25	14,874	24	14,633	260	163,876	5	
24	13,859	26	17,058	23	15,598	26	15,016	20	10,255	24	12,651	26	14,048	263	150,074	6	
23	12,561	26	13,832	18	12,812	22	11,518	22	11,358	24	12,489	24	11,421	251	147,278	7	
23	14,054	25	18,557	22	13,810	20	12,843	12	7,148	24	14,364	20	11,726	223	137,674	8	
23	9,699	26	11,845	24	11,097	26	12,860	22	11,208	25	10,205	25	9,442	278	132,053	9	
24	12,187	26	14,356	24	13,263	21	12,145	19	10,492	26	14,327	18	7,889	251	128,085	10	
23	12,039	25	14,115	24	13,620	22	12,217	16	7,862	25	13,063	23	10,720	252	127,839	11	
23	11,584	26	12,042	24	12,042	24	12,322	15	7,121	25	10,733	25	11,005	261	120,020	12	
25	15,918	25	14,747	23	14,237	25	13,279	19	9,394	24	10,473	7	2,273	217	118,717	13	
24	9,904	21	8,687	23	8,947	25	9,473	23	8,703	25	9,474	16	3,948	261	102,239	14	
25	6,648	26	6,949	24	5,655	24	6,708	22	7,097	24	7,477	23	6,689	272	78,441	15	
25	5,573	25	8,925	23	9,303	17	8,409	21	9,748	23	11,592	24	12,395	161	66,129	16	

TABLE 18—

Number.	Name of operator.	Number of days in operation and tons of coal mined.									
		July.		August.		September.		October.		November.	
		Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
17	Coal Creek Mining Co.	14	2,038	14	2,144	16	2,512	20	3,371	23	3,608
18	Star Coal Co., No. 2 .....	.....	.....	.....	.....	.....	.....	2	155	24	5,662
19	Star Coal Co., No. 1	20	2,162	25	2,935	24	3,308	26	3,736	24	3,303
	Total and average	12	110,671	16	144,757	22	198,929	22	232,882	23	241,290
	CHRISTIAN COUNTY—FIFTH DISTRICT.										
1	Peabody Coal Co., No. 7	23	64,296	22	70,982	16	47,943	23	67,066	24	63,568
2	Peabody Coal Co., No. 8	20	44,599	20	47,509	23	53,918	23	49,458	22	45,169
3	Peabody Coal Co., No. 21	8	13,983	24	43,100	25	45,165	23	37,478	24	40,611
4	Springfield Dist. C. M. Co. ....	.....	.....	.....	.....	.....	.....	21	19,294	22	32,676
5	Penwell Coal Mining Co.	7	11,594	14	20,523	18	26,100	17	24,039	18	26,889
6	Smith Lohr Coal Mining Co.	16	17,256	16	15,842	23	24,243	24	26,598	21	22,116
8	Assumption Coal Mining Co.	13	5,663	17	5,773	23	7,390	22	6,526	17	5,443
9	Pana Coal Co., No. 1	11	938	10	739	21	1,354	21	1,357	21	1,204
	Total and average	14	158,329	18	204,468	21	206,113	22	231,816	21	237,676
	MACON COUNTY—FIFTH DISTRICT.										
1	Manufacturers & Consumers C. Co.	16	5,620	17	8,238	25	15,365	26	19,893	25	18,393
2	Decatur Coal Co.	2	446	4	486	.....	.....	10	2,250	21	8,623
3	Niantic Mining Co. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total and average	9	6,066	11	8,724	25	15,365	18	22,143	23	27,026
	MOULTRIE COUNTY—FIFTH DISTRICT.										
1	Lovington Coal Mining Co.	22	14,605	22	14,540	24	18,150	25	21,718	24	22,192
	SHELBY COUNTY—FIFTH DISTRICT.										
1	Moweauqua C. M. & Mfg. Co., No. 1	10	3,602	17	7,282	18	8,322	16	7,657	15	7,187
2	Tower Hill Coal Co. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total and average	10	3,602	17	7,282	18	8,322	16	7,657	15	7,187
	VERMILION COUNTY—FIFTH DISTRICT.										
1	United States Fuel Co., Verm.	14	49,659	15	53,228	19	62,791	25	84,774	23	74,760
2	United States Fuel Co., No. 4	12	34,384	13	38,543	18	52,961	25	74,044	25	69,054
3	Peabody Coal Co., No. 24	9	3,061	20	17,725	20	22,800	23	37,522	20	32,849
4	United States Fuel Co., No. 3	15	22,043	.....	.....	.....	.....	.....	.....	22	21,228
5	Missionfield Coal Co., No. 2	10	8,273	24	10,927	24	10,165	24	15,575	24	15,630
6	Two Rivers Coal Co., No. 4	12	8,897	15	9,222	14	9,066	25	13,301	26	18,833
7	Missionfield Coal Co., No. 3	23	10,939	23	12,218	23	11,332	23	12,802	23	12,847
8	Carbon Hill Coal Co., No. 5	15	9,452	15	8,217	15	8,134	22	11,268	22	11,430
9	Sharon Coal & Brick Co., No. 1	10	1,369	21	3,005	25	5,484	25	7,019	23	6,605
10	Danville Collieries Co.	24	2,713	26	3,503	24	5,985	26	7,126	25	6,375
11	United States Fuel Co., Bunsen .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
12	Ohio Fuel Co. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13	Brady Branch Coal Co. ....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total and average	14	150,790	17	156,588	18	188,718	22	263,431	23	269,611
	The district	14	333,392	18	391,602	18	436,668	20	546,765	19	563,692
	LOGAN COUNTY—SIXTH DISTRICT.										
1	Latham Coal & Mining Co.	10	4,781	19	14,331	25	23,601	25	23,595	25	25,278
2	Citizens Coal & Mining Co.	14	6,402	19	10,011	25	16,123	23	15,357	24	18,481
3	Lincoln Mining Co., No. 1	8	5,627	11	7,850	23	16,203	23	16,472	22	16,783
	Total and average	11	16,810	16	32,192	24	55,927	24	55,424	24	60,542

Continued.

Number of days in operation and tons of coal mined.																
December.		January.		February.		March.		April.		May.		June.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
23	3,481	24	4,126	22	3,862	24	4,975	21	3,877	23	4,532	20	3,404	244	41,930	17
23	5,795	26	6,313	21	5,053	25	5,493	24	3,883	18	2,936	18	2,822	181	38,112	18
24	3,056	26	3,415	24	2,986	27	3,602	23	2,494	26	3,053	26	2,950	295	37,000	19
24	243,858	25	271,907	23	247,587	23	245,531	19	177,241	24	238,889	22	195,180	247	2,548,722	
20	59,005	19	61,722	18	56,431	18	51,996	19	55,170	21	66,810	23	69,744	246	734,733	1
22	48,139	20	46,604	21	46,086	16	34,938	18	35,999	23	52,974	24	58,918	252	564,311	2
23	30,897	24	39,478	24	40,363	24	37,367	23	39,375	25	40,958	24	39,473	271	448,248	3
19	32,089	24	44,308	22	39,885	21	35,456	19	36,412	19	35,638	21	40,096	188	315,854	4
19	28,986	25	34,754	23	30,165	22	30,109	12	16,962	12	17,550	11	14,850	198	282,521	5
22	23,159	26	26,698	23	23,459	26	29,370	22	22,675	17	18,132	20	22,139	256	271,687	6
13	1,673	25	12,435	23	16,185	25	23,258	23	21,687	26	25,567	26	22,200	161	123,005	7
20	5,837	25	6,844	24	6,551	25	6,467	17	4,704	20	4,728	18	4,244	241	70,170	8
21	1,523	24	1,454	21	1,304	10	652	10	687	10	252	7	174	187	11,638	9
20	231,308	22	274,297	22	260,429	21	249,613	18	233,671	19	262,609	19	271,838	222	2,822,167	
25	17,566	25	17,950	21	15,034	27	17,748	24	13,578	26	15,417	25	15,303	282	180,105	1
23	9,505	25	10,299	22	9,375	24	11,760	17	4,439	26	8,234	26	8,420	200	73,937	2
..	.....	..	.....	..	.....	..	.....	..	.....	18	1,777	23	3,185	41	4,962	3
24	27,071	25	28,259	27	24,409	26	29,508	21	18,117	23	25,428	25	26,908	241	259,004	
22	21,497	24	26,944	20	21,965	22	23,219	12	12,362	21	22,066	20	20,560	258	239,818	1
12	7,347	18	9,765	19	9,186	18	8,373	11	5,143	10	5,255	9	4,789	173	83,908	1
..	.....	..	.....	..	.....	26	582	23	666	26	962	25	2,914	100	5,124	2
12	7,347	18	9,765	19	9,186	22	8,955	17	5,809	18	6,217	17	7,703	187	89,032	
23	69,058	26	80,719	23	76,424	25	83,581	21	72,061	25	87,584	24	83,281	263	877,920	1
23	66,786	25	70,245	24	66,807	25	69,438	21	59,166	26	71,257	24	67,192	261	739,937	2
23	35,264	26	46,680	24	44,598	27	53,212	23	40,842	24	49,922	24	47,504	263	431,979	3
24	34,733	25	39,162	23	38,697	25	38,778	22	32,727	25	39,158	24	39,294	205	305,820	4
24	13,381	25	17,594	24	17,098	25	17,619	24	13,804	24	16,696	24	12,506	276	169,268	5
24	16,080	24	16,197	24	12,773	24	12,702	24	10,897	26	17,885	25	13,520	263	159,373	6
23	11,417	23	12,154	23	12,403	23	12,804	23	11,629	25	13,354	23	9,956	278	143,855	7
15	8,708	24	16,037	22	15,075	24	18,305	22	12,904	22	13,027	22	10,882	240	143,439	8
24	6,651	25	6,960	22	6,486	20	6,005	20	5,132	26	6,156	24	5,706	265	66,578	9
24	6,324	25	5,558	27	4,464	26	4,791	14	3,854	26	1,997	23	2,768	290	51,988	10
..	.....	29	2,026	24	2,676	27	5,767	24	5,675	26	7,177	25	6,475	155	29,796	11
..	.....	..	.....	4	493	15	3,183	21	6,759	7	2,888	7	3,125	54	16,448	12
..	.....	..	.....	..	.....	..	.....	..	.....	12	216	23	434	35	650	13
23	268,402	28	313,332	20	298,054	22	326,185	20	271,980	23	327,317	23	302,643	219	3,137,051	
19	555,625	22	652,597	20	614,043	21	637,480	18	541,939	21	643,637	21	629,652	211	6,547,092	
23	23,482	26	28,577	24	27,479	27	27,262	22	21,204	22	21,023	20	16,029	268	256,642	1
25	19,075	25	18,962	24	19,145	26	18,292	17	11,494	21	13,093	20	11,414	263	177,849	2
24	18,023	24	18,693	19	14,639	20	16,140	14	10,438	11	8,020	18	13,132	217	162,020	3
24	60,580	25	66,232	22	61,263	24	61,694	18	43,136	18	42,136	16	40,575	249	596,511	

Continued.

Number of days in operation and tons of coal mined.															
December.		January.		February.		March.		April.		May.		June.		Total.	
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
25	8,163	26	8,667	24	7,949	26	6,827	22	3,831	25	4,580	22	4,693	286	77,083
21	990	24	1,615	24	2,400	27	2,278	18	1,124	22	1,529	25	1,473	191	12,329
23	9,153	25	10,282	24	10,349	26	9,105	20	4,955	24	6,109	25	6,166	239	89,412
24	65,561	25	83,401	21	69,246	26	80,230	23	69,123	25	76,427	23	67,619	237	726,319
23	58,120	25	65,595	21	55,619	26	68,641	22	55,219	23	60,693	24	58,858	262	676,980
24	37,148	25	49,204	24	48,136	20	40,991	22	46,506	25	52,146	25	51,783	249	500,517
22	37,726	28	45,910	23	40,722	26	45,672	23	41,705	25	49,010	25	48,537	256	454,700
23	44,238	26	50,324	24	44,966	23	43,341	16	27,564	25	45,995	22	41,409	240	450,455
25	47,000	26	52,140	24	45,250	26	50,200	24	44,050	17	30,870	26	48,200	237	429,721
24	33,141	25	35,132	24	30,761	24	31,957	17	24,170	24	30,976	15	22,136	255	347,523
25	28,698	26	31,335	24	27,835	26	32,552	22	26,075	27	31,094	21	24,891	279	330,339
22	26,782	24	29,278	23	25,856	20	24,779	22	24,286	24	26,198	25	26,331	254	320,295
22	28,811	24	31,300	24	31,925	22	30,000	21	28,803	23	32,025	26	35,358	223	296,983
23	27,569	26	29,877	22	28,018	25	26,167	22	24,560	25	29,110	25	28,020	254	283,673
22	22,565	22	19,215	23	19,757	23	19,537	18	14,233	24	20,898	23	20,411	251	235,947
23	19,140	26	21,430	22	18,298	23	20,748	16	15,809	20	18,529	21	18,998	258	219,513
18	18,841	20	27,586	21	31,945	15	22,776	23	30,436	25	38,434	24	38,423	154	213,612
24	20,396	23	19,709	23	21,433	22	18,988	17	13,884	22	17,757	24	18,825	243	213,201
20	19,979	18	20,266	18	17,775	15	15,065	16	14,219	23	19,968	23	21,126	202	197,698
24	18,300	26	20,400	23	17,900	26	19,850	23	17,200	23	16,800	24	18,500	259	191,800
20	18,354	25	21,211	23	20,587	22	19,181	20	18,660	21	19,303	20	18,299	205	180,711
24	19,297	26	21,666	22	18,266	25	21,304	21	17,625	25	21,315	24	18,912	223	176,770
24	12,959	26	14,795	24	13,241	25	11,688	21	11,181	26	13,764	25	12,897	271	143,463
24	11,558	26	14,297	24	13,338	24	9,361	17	4,278	24	9,629	25	8,757	250	98,846
10	3,557	17	12,744	22	16,153	16	11,219	16	10,397	20	13,156	24	17,085	125	84,313
24	5,521	20	6,770	21	7,954	20	8,828	20	9,079	19	9,250	18	12,325	156	60,458
22	7,102	26	9,167	24	8,338	24	7,770	20	6,164	19	6,254	18	5,546	189	58,307
.....	.....	.....	.....	.....	5,515	18	4,506	13	3,669	20	5,565	23	5,826	94	25,082
20	2,057	22	2,400	22	2,300	18	1,900	15	1,550	14	2,150	20	2,150	193	20,657
22	634,420	24	735,152	23	681,136	23	687,151	20	600,445	23	697,316	23	691,124	224	6,938,083
23	704,153	25	811,666	23	752,748	24	757,950	20	648,536	23	745,561	24	737,865	227	7,624,006
23	103,724	25	112,278	21	84,133	21	95,104	18	82,445	25	114,644	24	102,829	260	1,158,796
23	100,734	26	112,837	21	90,258	22	96,524	17	72,395	25	104,530	25	105,799	249	1,071,283
21	77,760	25	103,982	19	74,583	21	81,492	22	83,905	24	93,180	26	93,174	238	885,467
18	61,428	24	76,339	22	73,308	17	57,888	20	68,043	21	70,995	25	83,999	239	760,643
20	53,056	23	66,430	23	72,314	22	65,730	19	55,931	22	63,558	22	57,780	239	692,636
22	71,876	25	88,791	24	84,809	19	69,061	12	44,629	18	65,618	21	75,542	177	610,040
24	52,846	24	56,870	22	50,976	21	46,265	22	49,265	6	60,689	23	48,784	233	508,097
24	27,353	26	32,350	22	26,886	26	30,626	23	26,767	25	27,509	22	24,900	264	318,578
17	23,658	17	25,140	17	25,320	14	21,590	11	17,669	12	17,197	20	26,127	186	264,515
24	17,561	24	17,480	19	12,106	23	15,840	19	14,568	18	15,099	21	17,140	244	175,344
9	4,576	25	19,627	20	16,936	24	21,004	23	20,404	25	23,382	24	20,988	150	126,917
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	1,425	24	5,092	38
20	594,572	24	712,124	21	611,629	21	601,124	19	536,021	20	607,826	23	662,154	209	6,578,833
24	57,994	26	66,176	23	55,156	26	61,943	21	46,545	22	52,985	26	60,054	275	680,946
20	60,814	20	63,244	19	60,086	22	66,810	17	47,794	17	50,006	25	76,006	212	645,778
21	68,464	14	48,934	21	69,768	18	61,346	15	43,918	17	59,489	15	49,349	194	605,868
23	78,942	22	80,037	19	69,253	23	73,446	10	23,311	17	52,420	15	44,814	190	504,411
23	45,721	25	50,844	22	40,217	27	48,987	16	23,411	20	30,628	14	23,545	262	481,224
23	30,210	25	33,586	24	29,576	21	28,866	15	21,886	21	27,937	26	34,758	247	328,839
22	10,868	24	23,138	20	21,931	23	25,163	20	22,551	21	28,858	24	34,654	154	167,163

TABLE 18—

Number.	Name of operator.	Number of days in operation and tons of coal mined.									
		July.		August.		September.		October.		November.	
		Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
8	Coffeen Coal Mining Co., No. 2.....	.....	.....	.....	.....	.....	.....	.....	.....	8	3,400
9	C. & E. I. Coal Properties, No. 15.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total and average.....	15	154,924	16	205,567	20	225,949	21	318,019	19	327,231
	The district.....	14	479,154	16	587,565	17	643,152	21	850,741	22	924,461
	BOND COUNTY—EIGHTH DISTRICT.										
1	Pocahontas Mining Co., No. 1.....	13	5,692	17	8,358	15	7,676	23	11,230	18	9,147
	CLINTON COUNTY—EIGHTH DISTRICT.										
1	Southern Coal Coke & M. Co., No. 9.....	11	27,289	21	49,868	18	45,157	17	43,284	8	19,027
2	Breese-Trenton M. Co., Buxton.....	13	19,629	16	24,873	18	27,601	18	29,274	19	29,387
3	North Breese Coal M. Co., N. M.....	9	14,238	11	18,590	18	29,745	19	30,094	18	29,142
4	Breese-Trenton Mining Co., E. B.....	23	20,329	22	21,375	20	20,332	21	22,731	15	18,869
5	Consolidated Coal Co., W. M.....	.....	.....	.....	.....	.....	.....	.....	.....	18	12,756
	Total and average.....	14	81,485	17	114,706	14	122,835	15	125,383	19	109,181
	MADISON COUNTY—EIGHTH DISTRICT.										
1	New Staunton Coal Co., No. 1.....	11	52,184	10	45,999	17	81,479	22	101,030	19	87,892
2	Mt. Olive & Staunton C. Co., No. 2.....	12	46,770	15	56,262	20	75,626	25	92,393	24	87,692
3	Donk Bros. C. & C. Co., No. 2.....	24	70,408	27	75,174	24	72,097	26	78,982	24	72,808
4	Donk Bros. C. & C. Co., No. 1.....	.....	24	38,262	25	50,127	26	53,797	25	49,711	
5	Lumaghi Coal Co., No. 2.....	10	25,143	9	20,211	17	35,449	20	43,088	18	35,154
6	Madison Coal Corp., No. 2.....	4	5,954	12	18,021	16	25,553	17	29,085	21	37,348
7	Kerns-Donnewald Coal Co.....	22	23,034	23	24,309	24	25,273	26	26,150	24	24,512
8	Donk Bros. C. & C. Co., No. 3.....	15	13,255	18	20,274	23	23,632	25	27,274	21	18,949
9	Mt. Olive & Staunton C. Co., No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	20	9,188
10	Lumaghi Coal Co., No. 3.....	.....	.....	.....	.....	.....	.....	2	488	20	8,224
11	City Coal Co., No. 3.....	9	843	14	1,516	25	2,952	25	3,258	25	4,096
12	Madison Co. M. Co., H. T.....	.....	.....	.....	.....	.....	.....	.....	.....	20	4,220
13	Abbey Coal Corp., No. 1.....	25	521	27	526	25	929	26	1,929	25	2,131
14	East Side Coal Co.....	17	669	15	723	13	626	25	2,286	25	2,059
15	Beck White Coal Co., No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total and average.....	15	238,781	18	301,277	22	393,743	22	459,760	22	443,984
	MARION COUNTY—EIGHTH DISTRICT.										
1	Marion County Coal Co., No. 1.....	17	35,797	23	47,844	22	42,586	23	49,220	23	48,030
2	Chicago-Sandoval Coal Co., No. 2.....	18	22,818	19	29,207	21	25,494	17	20,287	14	17,781
3	Odin Coal Co.....	14	12,479	25	22,705	23	22,186	25	22,848	22	16,724
4	Chicago-Sandoval Coal Co., No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total and average.....	13	71,094	22	99,756	22	90,266	21	92,355	20	82,535
	The district.....	15	397,052	18	524,097	20	614,520	21	688,728	20	644,847
	ST. CLAIR COUNTY—NINTH DISTRICT.										
1	St. Louis & O'Fallon C. Co., No. 2.....	18	58,752	19	62,143	24	77,850	25	82,666	25	77,012
2	Southern C. C. & M. Co., No. 8.....	8	16,760	12	24,483	12	25,674	18	41,182	21	45,483
3	Consolidated Coal Co., No. 17.....	4	8,239	10	18,090	14	32,291	20	47,798	19	45,654
4	Prairie Coal Co.....	.....	.....	.....	.....	.....	20,796	25	29,415	25	28,206
5	Southern C. C. & M. Co., No. 7.....	13	19,365	9	11,511	14	17,390	16	18,974	17	19,532
6	Kolb Coal Co., No. 2.....	18	24,950	19	25,137	18	20,537	19	21,078	20	25,386
7	St. Ellen Coal Co.....	.....	.....	.....	.....	.....	.....	.....	.....	18	13,591
8	St. Louis & O'Fallon C. Co., No. 1.....	.....	.....	.....	.....	.....	.....	.....	.....	25	12,420
9	Superior Mining Co.....	10	7,672	22	15,829	20	17,964	26	18,906	24	18,244
10	Eldnar Coal Co.....	12	7,808	11	6,794	14	8,367	20	15,856	18	14,412
11	Suburban Coal & Mining Co.....	14	7,567	17	9,057	22	10,686	25	13,544	25	14,286
12	International C. & M. Co., Carbon.....	5	2,411	11	6,684	14	9,022	20	13,195	23	13,127

Continued.

Number of days in operation and tons of coal mined.																	Number.
December.		January.		February.		March.		April.		May.		June.		Total.			
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.		
23	12,250	19	13,194	17	12,679	16	12,628	18	14,016	22	16,363	19	12,860	142	97,390	8	
..	..	..	..	..	..	..	..	13	6,652	26	12,589	26	20,816	65	40,057	9
22	365,263	22	379,153	21	358,666	22	379,189	16	239,584	20	331,275	21	356,856	193	3,641,676		
21	959,835	23	1,091,277	19	970,295	19	980,313	18	775,605	20	939,101	22	1,019,010	203	10,220,509		
21	10,160	19	8,853	18	9,517	19	10,548	13	6,391	17	9,699	17	10,624	210	107,895	1	
18	36,167	21	48,139	19	35,772	26	57,796	17	34,996	25	53,083	24	49,062	225	499,640	1	
17	28,461	17	30,738	14	25,707	17	29,473	15	25,929	13	23,646	14	24,912	191	319,630	2	
19	30,450	14	23,508	11	18,572	17	26,799	12	21,294	10	16,296	15	19,501	173	278,229	3	
18	19,803	17	20,758	13	17,228	17	20,075	9	12,456	10	15,758	21	24,682	206	234,396	4	
16	17,077	13	13,916	11	12,089	13	12,513	4	3,225	11	11,428	12	11,695	98	94,669	5	
17	131,958	16	137,069	13	109,368	18	146,656	11	97,900	14	120,211	17	129,852	179	1,426,594		
22	85,444	16	66,195	17	72,963	23	97,762	16	66,469	20	86,919	23	92,668	216	937,004	1	
22	79,242	25	88,797	23	82,210	21	72,703	19	65,225	21	72,925	25	82,036	252	901,881	2	
24	70,675	26	79,507	24	69,864	23	69,230	22	70,789	23	76,488	24	60,295	291	866,317	3	
24	49,583	26	56,418	24	51,927	25	52,798	22	44,266	25	52,260	25	49,828	271	548,977	4	
22	40,794	20	40,749	15	33,329	24	51,380	10	22,418	14	30,367	16	32,639	195	410,721	5	
24	39,853	24	40,546	23	38,368	24	39,493	23	36,812	23	40,914	22	34,333	233	386,880	6	
24	27,650	24	28,229	22	26,478	26	30,872	23	26,129	25	30,409	25	31,250	288	324,295	7	
24	23,086	25	24,231	23	23,076	27	21,408	23	21,639	19	20,156	20	19,591	263	259,591	8	
20	17,599	20	20,830	18	19,607	16	17,562	10	9,400	24	24,025	24	26,086	152	144,297	9	
22	13,603	20	16,046	15	12,833	22	19,684	12	10,605	16	13,596	19	14,899	148	110,038	10	
25	5,804	26	6,112	24	5,743	14	2,899	9	1,305	22	4,377	18	4,412	236	43,317	11	
24	4,515	24	5,171	21	4,250	25	4,962	21	4,394	21	4,137	21	3,795	175	35,444	12	
25	3,046	26	3,009	23	3,177	27	1,896	24	1,478	26	1,617	25	2,906	304	23,165	13	
26	2,110	24	2,488	22	1,747	17	1,498	23	1,512	20	1,935	25	1,927	252	19,580	14	
..	..	..	..	..	..	..	..	..	..	..	..	12	1,280	12	1,280	15
23	463,064	23	478,328	21	445,572	22	487,147	18	382,465	21	460,125	22	458,545	219	5,012,787		
21	43,685	26	54,204	21	40,719	26	52,660	22	43,880	27	50,033	25	48,800	276	557,458	1	
19	25,834	24	30,640	24	27,781	25	31,558	16	20,717	11	14,850	12	14,728	220	281,685	2	
23	19,002	23	21,876	18	16,649	24	23,193	20	18,231	23	22,198	23	21,278	263	239,369	3	
..	..	..	..	..	..	..	..	..	..	2	1,264	16	8,833	18	10,097	4
21	88,521	26	106,720	21	85,149	22	107,411	19	82,828	18	88,345	19	93,639	194	1,088,619		
22	693,703	22	730,960	19	649,606	22	751,762	17	569,580	19	678,380	20	692,660	207	7,635,895		
23	70,757	26	73,940	23	68,115	27	82,749	19	59,194	21	66,419	21	63,278	271	842,875	1	
23	48,561	25	55,775	22	50,720	24	53,227	21	45,836	24	53,843	26	56,952	236	518,496	2	
20	50,937	19	43,794	16	39,006	21	52,434	10	24,964	14	34,005	16	40,035	183	437,247	3	
25	30,781	23	29,531	25	32,615	22	16,165	25	41,235	25	35,044	25	43,400	240	307,188	4	
22	25,169	22	28,874	19	25,960	23	28,400	19	23,618	23	28,276	23	28,814	220	275,883	5	
21	29,811	17	21,147	16	18,044	16	17,539	15	14,310	17	19,792	18	21,279	214	259,010	6	
22	32,627	25	38,727	24	36,698	26	35,821	25	35,338	23	33,347	18	30,395	181	256,544	7	
24	20,317	26	27,438	24	24,179	27	29,093	21	20,599	21	24,200	23	26,354	189	184,600	8	
22	16,144	24	17,247	24	13,692	22	15,482	22	17,979	24	18,838	8	5,610	248	163,607	9	
21	16,858	23	19,408	23	20,341	13	12,996	18	14,784	18	14,113	16	14,386	207	166,123	10	
24	14,955	25	15,667	23	14,209	22	13,837	21	12,520	25	15,956	24	14,052	267	156,356	11	
19	14,687	14	12,725	13	11,106	15	12,604	13	10,869	14	12,169	11	8,725	172	127,324	12	

TABLE 18—

Number.	Name of operator.	Number of days in operation and tons of coal mined.									
		July.		August.		September.		October.		November.	
		Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
13	Mulberry Hill Coal Co.	11	9,000	12	9,321	15	11,731	14	11,045	13	10,213
14	Columbia Coal Co., Royal.	21	10,015	23	11,482	18	8,553	18	8,341	20	8,841
15	International C. & M. Co., Taylor. ....	..	..	..	..	..	..	1	477	22	12,552
16	Kolb Coal Co., No. 1.	27	10,500	28	9,201	28	8,434	29	6,140	29	6,009
17	Star Coal Co., Star.	15	6,762	20	11,088	13	7,560	11	5,796	14	4,788
18	Egyptian Coal & Mining Co.	5	1,447	10	3,072	10	4,803	13	6,766	11	7,106
19	Victoria Coal Co.	18	7,881	23	9,862	22	9,218	24	10,138	21	6,884
20	Southern C., C. & M. Co., No. 1. ....	..	..	..	..	..	..	4	1,510	21	5,974
21	Kolb Coal Co., Fairbank.	14	5,063	16	7,187	17	8,355	15	7,729	14	7,609
22	Jones Bros C. & M. Co., No. 1.	20	1,395	10	4,708	15	7,336	14	7,697	12	6,621
23	Aben Coal Co.	13	2,795	14	3,472	16	4,784	19	5,750	22	6,081
24	Golden Rule Coal Co.	7	2,896	18	8,136	15	6,008	11	4,979	13	5,492
25	Fullerton Coal Co.	17	3,561	22	5,155	15	3,986	13	3,773	18	5,292
26	Forsythe Coal Co.	9	3,750	12	4,665	11	4,538	11	4,552	10	4,320
27	H. E. Miller, Ruby.	12	2,807	15	3,714	17	4,130	19	4,761	22	5,145
28	White Coal Co.	13	2,155	15	3,260	18	3,150	14	3,633	17	4,171
29	Northern Coal Co.	12	5,595	14	3,629	13	3,509	13	4,617	12	2,392
30	Pittsburgh Mining Co.	11	990	10	980	15	2,707	24	4,517	25	4,464
31	White-Sergeant Coal Co. ....	..	..	..	..	15	560	17	2,876	22	5,455
32	Summit Coal & Mining Co.	17	2,408	19	2,931	16	2,433	17	2,902	17	3,494
33	New National Coal Co.	23	3,291	25	4,250	23	3,961	25	3,759	22	3,876
34	Guest Coal Co. ....	..	..	..	..	..	..	..	..	..	..
35	Oakdale Coal Mining Co.	19	2,731	19	2,926	15	2,587	18	2,636	22	3,232
36	Groom Coal Co.	14	1,385	10	964	..	..	18	891	20	2,881
37	Lenzburg Coal Co. ....	..	..	..	..	..	..	4	474	15	3,163
38	Glendale Coal Co. ....	..	..	..	..	8	975	6	890	8	1,085
39	Highland Coal Co.	12	1,050	15	1,233	20	1,770	24	2,330	25	2,652
40	Kolb Coal Co., V. H. ....	..	..	..	..	..	..	..	..	..	..
41	Jack Run Coal Co. ....	..	..	..	..	..	..	8	940	10	1,400
42	Peoples Coal Co.	9	1,026	20	2,252	22	2,400	21	2,480	20	2,420
43	New Freeburg Coal Co. ....	..	..	..	..	..	..	..	..	16	1,633
44	Radium Coal Co.	8	560	9	630	9	632	10	700	12	840
45	W. L. Scott Coal Co. ....	..	..	..	..	..	..	..	..	..	..
46	Southern C., C. & M. Co., No. 5.	4	118	2	95	8	265	10	505	17	872
47	Enterprise Collieries, No. 1. ....	..	..	..	..	..	..	..	..	..	..
Total and average.		13	242,705	15	293,941	16	354,962	14	426,238	19	474,310
JACKSON COUNTY—TENTH DISTRICT.											
1	Jackson Coal Co., M. V.	15	19,004	19	24,946	16	23,089	19	24,403	20	26,094
2	Big Muddy C. & I. Co., No. 9.	21	30,815	23	34,789	18	25,259	14	23,180	14	21,363
3	Gartside Coal Co., No. 4.	10	4,079	15	6,088	19	7,614	23	9,773	24	9,257
4	Big Muddy C. & I. Co., No. 10. ....	..	..	16	4,188	14	5,819	15	6,908	11	5,416
5	Gus Blair Big M. C. Co., No. 2.	12	4,041	25	5,049	21	6,100	19	7,174	16	5,727
6	De Soto Peacock Coal Co., No. 1.	20	1,297	22	1,674	16	942	22	1,336	20	1,276
Total and average.		18	59,236	20	76,734	17	68,823	19	72,774	18	69,133
PERRY COUNTY—TENTH DISTRICT.											
1	Maestic Coal & Coke Co.	25	65,882	25	59,057	23	57,955	20	51,617	20	54,251
2	Security Coal & Mining Co., No. 1.	17	54,111	22	71,154	20	62,515	15	48,079	13	40,336
3	Paradise Coal Co.	21	47,340	24	54,745	20	48,420	16	39,633	14	35,408
4	Willis Coal & Mining Co., No. 1.	15	18,847	26	33,765	24	30,624	26	32,971	23	28,780
5	Ritchey Coal Co., No. 1.	13	18,509	14	9,303	14	9,182	15	10,580	15	10,345
6	St. Louis Coulterville Coal Co.	11	6,512	17	8,724	17	10,484	17	10,717	17	11,107
7	Crown Coal Mining Co., B. E.	23	7,787	20	6,983	14	4,998	17	4,883	19	5,090
8	Wilson Coal Co., G. M.	16	2,299	20	3,283	20	3,214	23	5,146	24	5,764
9	Collier Coal Co., L. M. ....	..	..	..	..	4	807	17	3,333	20	3,793
10	Bailey Bros Coal Co., Diamond.	4	459	6	831	8	1,173	12	1,977	14	3,011
11	Soper Coal Co. ....	..	..	10	511	21	906	22	1,502	21	2,001
Total and average.		16	121,746	18	248,356	19	230,278	18	210,438	18	199,886
RANDOLPH COUNTY—TENTH DISTRICT.											
1	Willis Coal Mining Co., No. 6.	10	14,276	..	..	9	10,158	15	17,087	23	26,177
2	Illinois Fuel Co., No. 4.	21	17,790	24	19,862	23	18,537	25	21,365	24	20,033

Continued.

Number of days in operation and tons of coal mined.

December.		January.		February.		March.		April.		May.		June.		Total.		Number.
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
10	8,924 15	11,691 12	10,418 11	9,723 10	8,316 10	8,965 10	8,762 143	118,109	13							
22	9,171 20	8,837 23	10,680 23	9,532 19	7,861 22	10,559 24	12,763 253	116,635	14							
19	16,252 13	12,231 13	12,222 17	16,449 13	13,412 19	19,269 12	12,443 129	115,307	15							
27	6,020 29	8,343 26	10,160 28	9,971 29	11,095 29	12,990 29	14,109 338	112,972	16							
23	14,704 15	5,714 14	4,326 20	13,990 20	13,824 14	5,502 22	9,200 201	103,254	17							
12	7,175 13	8,118 11	7,307 13	8,946 19	14,308 19	15,376 21	16,412 157	100,836	18							
19	5,902 21	7,276 20	7,221 14	5,142 18	6,706 24	8,029 21	8,552 245	92,811	19							
23	8,306 23	11,018 23	11,915 26	13,725 23	12,493 24	13,285 25	13,034 192	91,260	20							
17	8,154 17	8,905 16	8,829 18	7,843 14	5,627 15	6,132 15	6,812 188	88,245	21							
12	6,773 12	7,775 11	7,752 10	6,290 18	9,931 24	13,302 7	3,402 165	82,983	22							
24	6,491 20	7,861 22	6,699 21	5,592 9	4,879 9	3,796 21	6,992 210	65,192	23							
13	5,208 13	6,181 16	6,034 13	5,792 12	4,668 9	4,128 11	4,460 151	63,982	24							
16	5,795 17	5,405 17	6,379 18	6,808 16	5,353 16	5,510 17	6,133 202	63,150	25							
11	4,595 18	6,390 18	6,150 12	4,622 13	4,685 11	4,504 12	4,755 148	57,526	26							
23	5,823 17	4,136 21	4,541 24	5,263 23	5,678 19	5,005 19	4,453 231	55,456	27							
15	4,460 18	5,520 19	6,077 16	4,990 13	5,227 15	5,670 18	6,791 191	55,104	28							
14	4,650 14	2,215 15	8,073 16	4,511 14	4,909 13	2,646 15	8,150 165	54,896	29							
23	4,370 25	5,392 24	4,736 25	5,430 23	4,607 25	5,043 23	4,825 253	48,061	30							
18	4,350 19	5,347 18	6,165 16	5,040 18	5,830 14	4,520 21	7,000 178	47,143	31							
16	3,682 17	4,502 20	5,763 14	3,780 15	4,368 12	3,757 17	7,076 197	47,096	32							
22	3,370 25	4,437 20	4,275 17	3,291 10	1,875 17	3,450 20	4,387 249	44,222	33							
15	4,890 18	8,490 12	5,262 12	4,480 14	5,246 16	7,123 16	7,414 103	42,875	34							
23	2,931 21	3,196 23	3,692 21	3,713 17	2,931 16	2,586 21	3,601 235	36,762	35							
18	3,333 20	3,035 22	4,230 19	4,324 21	3,035 19	4,163 21	4,622 202	32,863	36							
14	2,946 17	3,931 16	4,211 17	4,021 14	3,411 18	4,942 19	5,080 134	32,179	37							
22	2,671 14	3,860 12	3,792 15	4,183 15	4,438 14	4,579 18	4,962 122	31,405	38							
16	3,064 26	3,177 24	3,088 23	2,657 20	1,919 25	2,433 18	1,599 258	27,022	39							
14	1,478 15	2,265 15	2,229 16	2,289 19	4,879 21	5,685 22	5,437 122	24,262	40							
10	1,800 12	3,278 16	4,686 8	1,690 12	3,482 14	3,671 11	2,960 101	23,907	41							
18	2,170 15	1,582 17	1,900 15	1,570 13	1,443 17	1,440 14	2,064 201	22,747	42							
14	1,401 17	1,687 16	1,662 15	1,462 16	1,647 17	1,607 17	1,695 128	12,794	43							
15	1,050 15	1,050 16	1,120 16	1,120 10	700 10	700 12	898 142	10,000	44							
..	..... 5	255 22	1,666 15	1,488 17	1,749 16	1,537 19	2,389 94	9,084	45						
16	997 19	932 16	875 15	629 14	336 9	311 8	158 138	6,093	46							
..	.....	.....	.....	.....	.....	.....	930 25	930	47	
18	544,480 19	568,305 18	548,820 18	560,723 17	512,114 18	558,217 18	567,601 188	5,652,416								
21	26,246 26	32,827 18	25,903 20	26,025 16	21,083 15	19,341 12	18,267 217	287,228	1							
12	18,175 9	16,291 12	19,742 9	16,620 7	10,712 10	17,302 8	12,217 157	246,465	2							
23	8,851 25	9,418 18	6,980 25	10,309 23	9,063 26	9,129 25	9,126 256	99,687	3							
15	7,522 15	8,066 11	5,747 20	10,091 21	11,023 22	11,361 24	11,604 184	87,745	4							
21	7,152 18	7,565 15	5,747 14	4,681 10	3,358 12	3,735 18	5,094 201	65,423	5							
22	1,058 20	1,223 17	943 16	821 16	409	14	553 205	11,532	6							
19	69,004 19	75,390 15	65,062 17	68,547 16	55,648 17	60,868 20	56,861 203	798,080								
20	57,720 20	55,157 15	44,875 14	41,882 13	40,871 13	35,915 11	34,358 219	599,540	1							
16	48,838 11	32,238 12	36,622 13	37,767 16	48,218 13	38,728 11	31,655 179	550,261	2							
18	38,319 18	39,563 16	38,645 17	34,906 15	35,491 13	30,328 18	40,685 210	483,483	3							
25	29,932 26	32,032 18	20,492 26	31,955 20	24,408 23	26,748 26	28,711 278	339,265	4							
21	13,381 24	15,446 22	14,330 26	15,783 23	14,840 26	17,372 26	17,433 239	156,504	5							
18	11,088 22	15,350 16	8,766 14	8,472 13	7,139 .....	.....	.....	162	6					
15	4,697 15	6,412 12	6,296 12	6,522 11	6,761 13	6,828 23	13,239 194	80,496	7							
22	5,242 22	5,618 22	5,252 20	4,788 20	3,145 4	1,390 8	2,312 221	47,453	8							
17	3,669 18	4,731 18	4,854 13	4,045 16	4,596 11	4,314 8	3,190 142	37,332	9							
15	3,069 22	4,618 21	4,274 18	3,965 15	3,169 16	3,366 12	2,296 168	32,238	10							
19	2,019 20	2,554 19	2,872 15	1,875 18	2,276 20	4,129 19	4,760 204	25,405	11							
19	218,004 20	213,719 17	187,278 17	191,960 16	190,914 15	169,118 16	178,639 201	2,450,336								
25	29,075 26	32,615 19	23,640 21	27,577 19	24,136 23	28,849 22	27,834 212	261,444	1							
21	17,315 21	18,810 16	13,867 25	24,937 22	21,727 26	24,719 23	21,498 271	240,460	2							

TABLE 18—

Number.	Name of operator.	Number of days in operation and tons of coal mined.									
		July.		August.		September.		October.		November.	
		Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
3	Moffat Coal Co., No. 1.....	22	17,588	24	20,066	12	8,768	16	12,852	11	7,934
4	Jones Bros. C. & M. Co., No. 2.....	15	8,329	19	10,418	14	10,235	12	11,027	12	9,884
5	Wilson Bros. Coal Co., No. 7.....	7	3,777	11	4,998	11	5,016	6	1,223	10	3,328
6	Tilden Coal Co., Crystal.....	24	8,342	22	7,653	24	8,428	24	6,305	23	6,071
7	Randolph County Coal Co.....	8	1,909	22	5,981	17	5,044	18	4,845	16	4,499
8	West Side Coal Mining Co.....	8	1,518	6	2,010	10	3,131	8	2,128	13	3,960
9	Tilden Coal Co., Tilden.....	8	1,518	6	2,010	10	3,131	8	2,128	13	3,960
	Total and average.....	14	73,529	16	70,988	17	69,317	15	83,029	16	86,939
WASHINGTON COUNTY—TENTH DISTRICT.											
1	Centralia Coal Co., No. 5.....	14	36,209	20	50,618	19	51,065	26	67,802	24	61,053
2	Nashville Mining Co.....	15	2,460	16	2,500	15	2,210	21	3,500	20	3,000
3	Kuhn Collieries Co.....	8	32,092	16	63,079	18	69,270	23	91,314	16	1,897
	Total and average.....	15	38,669	18	53,118	18	53,423	22	73,069	20	65,950
	The district.....	15	383,180	19	449,196	16	421,841	17	439,310	17	421,908
FRANKLIN COUNTY—ELEVENTH DISTRICT.											
1	Old Ben Coal Corp., No. 8.....	18	68,805	20	81,139	24	102,574	24	98,574	23	94,174
2	Bell & Zoller Mining Co., No. 1.....	23	89,986	23	101,376	21	91,806	20	89,322	21	94,515
3	Chi. Wil. & F. C. Co., No. 1.....	23	61,205	20	62,361	23	84,126	24	89,296	22	84,324
4	Old Ben Coal Corp., No. 9.....	7	34,876	12	54,587	18	88,880	18	88,435	19	89,241
5	Old Ben Coal Corp., No. 14.....	8	32,092	16	63,079	18	69,270	23	91,314	20	78,280
6	Old Ben Coal Corp., No. 11.....	12	38,753	22	77,375	23	79,752	26	89,390	24	86,418
7	Old Ben Coal Corp., No. 10.....	6	13,171	19	49,056	22	58,469	25	64,023	22	54,086
8	Old Ben Coal Corp., No. 12.....	11	28,962	20	49,446	22	57,423	25	61,916	21	54,402
9	West Frankfort C. Co., No. 1.....	18	33,759	24	44,556	23	50,601	22	56,693	18	46,533
10	Franklin Coal & Coke Co., No. 1.....	18	43,639	10	25,850	9	21,096	18	47,693	20	55,073
11	Sesser Coal Co., No. 1.....	23	58,465	26	59,477	24	60,140	26	63,201	25	53,344
12	Benton Coal Co., No. 1.....	16	32,146	18	45,658	13	27,045	19	38,200	17	37,057
13	John A. Logan Coal Co.....	18	19,108	19	22,650	22	26,847	20	30,796	24	30,682
14	W. P. Rend Colliery Co.....	4	1,525	25	25,202	25	33,926	22	30,650		
15	By Products Coke Corp., No. 18.....	14	11,916	18	18,818	23	22,358	21	21,684	22	22,631
16	By Products Coke Corp., No. 19.....	4	1,282	12	5,820	16	19,815	14	21,914		
17	Taylor Mining Co., No. 5.....	9	11,658	16	24,713	17	24,515	17	23,926	18	23,469
18	United States Fuel Co.....	6	5,143	13	11,260	12	10,005	13	11,919	14	13,591
19	Taylor Collieries Co., No. 6.....							24	11,963	24	21,000
20	Franklin Coal & C. Co., No. 2.....					11	2,768	18	4,135	20	6,093
21	Western Coal Mining Co., No. 2.....					10	462	12	1,855	12	1,981
	Total and average.....	14	583,684	17	794,208	19	909,165	21	1,038,631	20	999,458
GALLATIN COUNTY—ELEVENTH DISTRICT.											
1	Hickory Hill Coal Co.....	8	1,797	20	4,174	23	5,210	24	6,711	24	6,609
2	Northern Coal Co., No. 4.....									16	3,887
	Total and average.....	8	1,797	20	4,174	23	5,210	24	6,711	20	10,496
SALINE COUNTY—ELEVENTH DISTRICT.											
1	Saline County Coal Co., No. 3.....	18	41,623	17	40,626	15	31,873	18	38,353	14	33,160
2	O'Gara Coal Co., No. 9.....	18	37,804	17	40,779	15	32,615	15	35,492	13	31,054
3	Wasson Coal Co., No. 1.....	18	40,574	17	39,731	16	36,350	16	34,820	11	21,800
4	O'Gara Coal Co., No. 11.....	25	41,113	27	39,596	21	31,124	21	32,952	19	24,026
5	O'Gara Coal Co., No. 10.....	25	35,826	27	35,547	22	26,931	24	33,336	19	24,390
6	J. Dering Coal Co., No. 3.....	12	22,229	15	25,662	15	25,979	16	26,229	12	20,227
7	O'Gara Coal Co., No. 1.....	18	34,133	9	14,299	14	23,782	17	30,855	12	18,253
8	Saline County Coal Co., No. 2.....	14	21,433	17	28,809	16	24,990	18	29,484	12	18,335
9	Saline County Coal Co., No. 6.....	17	21,629	16	19,272	16	15,442	16	16,347	19	15,226
10	Harrisburg Saline Col. Co., No. 15.....	6	6,448	16	20,537	8	9,809	9	9,914	12	12,894
11	O'Gara Coal Co., No. 8.....					16	8,357	18	10,807	23	17,608
12	Wasson Coal Co., No. 2.....	17	7,165	17	15,242	16	14,159	16	15,777	11	10,368

Continued.

Number of days in operation and tons of coal mined.																	Number.
December.		January.		February.		March.		April.		May.		June.		Total.			
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.		
21	15,574	25	18,702	19	14,213	24	18,257	22	16,326	23	19,102	24	19,900	243	189,282	3	
12	9,265	15	9,889	10	8,689	8	8,516	11	10,072	11	8,693	8	5,789	147	110,806	4	
16	8,096	25	14,350	12	8,575	17	13,585	18	14,265	14	8,708	18	12,816	136	84,946	5	
15	5,474	14	5,762	14	5,962	12	5,179	12	5,114	24	9,603	23	11,573	169	73,708	6	
17	4,851	23	7,213	11	3,610	22	7,479	.....	19	5,417	24	7,821	233	73,196	7	7
14	3,570	19	4,882	17	4,513	14	3,599	15	3,897	14	3,474	18	4,067	192	50,280	8	
10	3,147	14	4,577	10	3,382	9	2,784	12	3,786	24	10,371	23	8,218	147	49,012	9	
17	96,373	20	116,800	16	86,451	17	111,913	16	99,323	20	118,936	20	119,536	194	1,133,134		
23	58,460	25	64,771	24	60,002	27	66,357	23	58,930	27	69,169	24	61,078	276	705,514	1	
20	3,216	22	3,625	22	3,817	15	2,300	18	3,075	20	3,215	21	3,982	225	36,900	2	
15	2,238	17	2,808	3	461	8	714	13	1,607	17	1,477	11	1,419	121	14,536	3	
20	63,914	22	71,204	16	64,280	20	69,371	18	63,612	25	73,861	19	66,479	207	756,950		
18	447,295	20	477,113	16	403,071	17	441,791	17	409,497	18	422,783	18	421,515	200	5,138,500		
20	84,075	25	113,074	21	94,460	23	103,797	13	52,326	23	98,456	22	98,863	256	1,093,317	1	
19	81,559	19	81,851	18	84,009	23	106,775	20	78,868	21	93,737	21	71,553	249	1,065,359	2	
21	81,462	25	106,864	24	90,203	26	97,953	23	81,661	21	91,076	20	77,943	272	1,008,474	3	
17	80,926	20	108,357	20	81,501	20	82,027	12	45,028	20	87,672	20	91,605	203	933,141	4	
19	72,176	25	93,091	20	73,858	22	85,987	20	75,229	21	78,372	21	79,134	233	891,882	5	
20	75,647	11	42,633	19	67,930	23	72,182	24	76,320	26	85,557	24	77,547	254	869,504	6	
24	60,650	24	65,426	24	56,214	22	52,980	22	46,955	25	67,573	26	67,658	261	656,261	7	
20	49,747	25	62,662	21	53,283	22	56,725	20	52,563	24	60,460	21	53,838	252	641,427	8	
18	49,802	22	58,823	19	53,680	19	55,674	18	52,219	18	59,338	22	63,036	241	624,714	9	
21	54,608	22	60,967	14	40,090	19	55,007	15	44,906	20	45,781	23	60,795	209	555,505	10	
23	56,913	1	3,220	1	1,012	22	34,206	24	43,292	15	27,994	26	48,060	236	509,324	11	
16	37,057	19	42,600	18	39,635	15	35,095	14	34,140	15	35,300	15	36,379	195	440,864	12	
16	21,947	25	34,949	22	32,148	25	30,683	24	28,813	23	37,205	21	28,288	259	344,116	13	
23	29,547	24	35,659	22	30,598	25	36,598	19	29,358	26	37,556	24	36,532	239	327,151	14	
21	21,269	25	31,338	23	31,412	26	34,505	11	16,183	24	34,310	23	29,629	251	296,053	15	
24	32,276	20	42,229	18	34,615	18	33,534	11	19,294	16	22,148	23	36,714	176	269,641	16	
15	22,521	19	25,976	15	20,826	15	19,942	16	20,931	18	24,698	18	24,002	193	267,177	17	
16	14,565	24	20,010	20	17,988	27	25,605	24	22,443	24	27,479	24	27,631	217	207,639	18	
20	20,929	21	22,815	22	28,489	24	26,096	20	24,367	20	24,416	21	26,561	196	206,636	19	
22	6,965	22	9,148	20	8,564	23	9,796	20	8,408	18	7,497	10	1,065	184	64,439	20	
14	2,224	24	5,331	20	5,029	26	7,053	24	6,301	22	4,936	26	9,639	190	45,033	21	
19	956,865	21	1,067,223	19	945,544	22	1,065,222	19	859,605	21	1,051,561	21	1,046,491	227	11,317,657		
20	4,081	24	6,423	23	5,707	24	5,536	22	5,260	24	6,191	23	5,131	259	62,829	1	
24	6,040	25	8,419	24	7,119	23	5,866	25	6,773	24	7,210	25	8,002	186	53,316	2	
22	10,121	25	14,842	24	12,826	24	11,402	24	12,033	24	13,401	24	13,133	223	116,145		
17	40,017	17	44,020	13	38,946	14	39,460	13	32,593	20	57,306	20	56,548	196	494,528	1	
17	37,695	17	39,239	16	37,608	25	56,471	10	21,539	19	40,763	24	47,875	206	458,934	2	
17	32,647	17	34,759	12	23,312	14	25,158	15	22,999	19	33,611	22	38,794	194	384,555	3	
20	28,736	20	30,801	17	25,366	19	20,962	14	20,467	18	23,235	18	24,165	239	348,543	4	
24	30,868	23	30,698	19	27,522	20	26,040	16	18,897	20	26,439	20	25,186	259	341,085	5	
18	29,670	19	33,346	21	35,969	22	34,888	15	22,221	21	32,762	21	32,322	207	341,344	6	
8	25,550	17	27,434	13	21,163	14	20,880	23	33,242	24	36,408	20	30,732	189	316,731	7	
17	24,548	17	24,755	12	14,374	15	16,544	12	12,537	18	18,634	20	21,180	188	255,023	8	
22	21,809	22	22,255	23	19,680	25	24,132	18	16,875	24	21,621	25	20,823	243	235,151	9	
17	18,154	17	20,335	12	13,773	15	19,053	20	33,513	26	27,091	25	31,144	183	222,865	10	
25	22,642	26	24,840	24	22,977	27	26,189	18	16,476	23	23,164	22	21,872	222	194,932	11	
16	13,129	17	15,653	12	10,868	15	12,978	21	17,521	26	22,095	25	21,000	209	176,351	12	

TABLE 18—

Number.	Name of operator.	Number of days in operation and tons of coal mined.									
		July.		August.		September.		October.		November.	
		Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
13	Harrisburg Big. M. Coal Co., No. 12	13	10,236	15	13,807	14	16,981	16	13,964		
14	O'Gara Coal Co., No. 4			11	5,875	16	14,156	15	12,694		
15	O'Gara Coal Co., No. 3			5	5,423	15	13,408	13	11,089		
16	Harrisburg Big. M. C. Co., No. 14			1	376	17	14,935	15	14,792	13	11,255
17	Harrisburg Colliery Co.										
18	Durham Coal Co., No. 1	11	1,639	14	1,918	22	3,815	18	4,093	22	3,897
	Total and average	18	311,616	16	332,633	15	325,266	17	377,796	15	300,240
WHITE COUNTY—ELEVENTH DISTRICT.											
1	White County M. & P. Co.	4	1,004	10	2,485	14	6,064	23	9,005	20	8,611
	The district	14	898,101	16	1,133,50	17	1,245,705	19	1,432,143	18	1,318,805
WILLIAMSON COUNTY—TWELFTH DISTRICT.											
1	W. P. Rend C. & C. Co., No. 2	24	63,716	24	68,608	22	58,895	23	68,191	20	57,408
2	Johnston City Coal Co., No. 1	21	40,166	16	40,442	22	54,972	24	58,064	24	59,291
3	Peabody Coal Co., No. 3	15	36,063	23	59,512	21	49,477	26	60,477	24	55,409
4	Madison Coal Corp., No. 9	13	32,168	10	24,203	17	41,800	23	52,440	22	49,270
5	Chicago & Cartersville C. Co., A.	16	33,446	24	51,281	23	46,649	24	49,655	22	46,049
6	Big. Muddy C. & I. Co., No. 8		25	47,585	22	46,953	20	45,420	22	43,798	
7	Madison Coal Corp., No. 8	13	24,449	14	27,909	17	34,812	22	43,102	23	40,410
8	Big. Muddy C. & I. Co., No. 7	24	47,088	14	26,596	18	35,016	22	43,795	20	39,486
9	Searls Coal Co., McC.	13	30,378	17	25,283	18	44,885	16	38,194	16	37,142
10	Consolidated Coal Co., L. C.	16	29,850	17	31,979	21	41,512	17	35,261	18	38,058
11	T. G. Warden, No. 1	11	16,689	15	23,554	21	30,419	24	38,950	23	40,541
12	Western C. & M. Co., No. 1	19	23,649	26	31,404	24	24,656	20	24,951	20	23,742
13	Chi. & Big. M. C. & C. Co., No. 1	12	11,682	22	24,724	21	22,055	25	25,650	23	23,686
14	Taylor Mining Co., No. 2	10	17,652	9	13,508	14	21,009	15	23,171	19	29,706
15	West Virginia Coal Co., No. 1	15	19,614	20	25,287	17	20,092	18	21,189	18	21,058
16	Chi. & Cartersville C. Co., B.					19	16,660	21	24,694	21	23,959
17	Seranton & Big M. C. M. Co.	17	17,638	18	19,725	20	20,107	20	22,470	17	18,432
18	Big Muddy Fuel Co., N. Va.	11	10,937	17	16,582	19	16,229	19	16,041	22	19,701
19	Pond Creek Coal Co.	11	10,088	19	17,813	23	20,852	22	21,805	18	16,659
20	Hafer Washed Coal Co., No. 3	11	13,199	10	13,979	17	22,789	14	16,919	16	20,068
21	Pratt Bros., Jef.	13	11,067	23	17,433	13	11,580	17	18,200	15	16,000
22	Taylor Mining Co., No. 1			10	13,068	11	13,889	16	22,191	7	8,642
23	Duncan Coal Co., Dale	16	10,012	17	10,706	18	13,769	13	11,827	14	13,009
24	Williamson County C. Co., No. 1	18	12,866	11	8,074	15	8,396	19	13,000	16	12,534
25	Ernest Coal Co., No. 1					11	2,567	20	8,788	18	10,836
26	Taylor Mining Co., No. 3										
27	Cartersville Big Muddy Coal Co.	7	2,795	11	4,820	17	6,617	17	8,096	18	8,103
28	New Enterprise Coal Co.	10	5,490	7	6,171	13	9,586	18	8,063	16	10,140
29	Federal Coal Co., No. 25									10	3,691
30	Johnston City, Washed Coal Co., White Ash									25	5,075
31	Ridge Coal Mining Co., No. 2	19	5,710	21	6,956	14	4,141	16	5,216	17	4,968
32	Marion & Pittsburg Coal Co., No. 2										
33	Henderson Wallace Coal Co., H. H.										
34	Lewis Coal Co.	22	800	23	1,200	16	600	21	700	15	400
35	E. Lewis Coal Co.	15	320	15	310	20	730	22	600	21	500
	Total and average	15	527,632	18	658,712	14	741,714	20	827,120	19	797,821

Concluded.

Number of days in operation and tons of coal mined.																	Number.
December.		January.		February.		March.		April.		May.		June.		Total.			
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.		
18	13,494	17	13,016	13	10,314	22	19,098	20	17,631	26	23,065	25	19,970	199	171,576	13	
17	15,392	17	15,424	16	14,074	27	26,272	20	16,571	24	19,192	25	20,731	188	160,381	14	
16	12,922	15	11,810	13	10,407	24	22,770	21	20,310	26	24,721	21	21,809	169	154,669	15	
16	14,291	17	16,209	12	11,050	14	12,784	12	10,541	19	18,648	19	18,509	155	143,390	16	
7	381	26	4,835	23	6,014	26	9,751	24	9,206	27	12,088	26	12,110	159	54,385	17	
19	4,341	22	5,381	19	4,885	16	4,081	18	4,821	4	1,525	...	...	185	40,396	18
17	386,376	19	415,010	16	348,192	20	423,511	17	317,960	21	462,664	21	464,770	199	4,496,034		
16	8,464	14	8,426	16	8,935	25	13,900	20	10,876	26	13,797	23	14,078	211	105,645	1	
19	1,361,826	20	1,505,501	18	1,315,497	21	1,514,035	18	1,230,474	21	1,541,423	22	1,538,472	215	16,035,481		
18	51,116	23	69,368	20	52,294	19	54,078	20	55,839	17	53,506	18	49,285	248	702,304	1	
22	58,460	25	61,409	24	58,053	25	59,586	20	49,084	22	51,781	21	44,954	266	636,262	2	
25	53,507	26	62,125	24	55,137	27	63,593	14	29,108	22	48,758	23	54,234	270	627,400	3	
24	50,685	26	54,418	23	50,348	27	58,812	23	45,932	25	53,602	26	51,276	259	564,954	4	
23	38,009	23	46,845	18	36,324	17	40,559	17	41,082	19	47,392	20	44,992	243	522,373	5	
20	43,778	25	52,984	19	39,098	17	36,977	18	38,445	22	51,974	21	44,376	234	491,388	6	
24	40,884	25	45,350	23	41,327	27	49,068	23	43,754	26	46,881	25	44,133	262	482,079	7	
22	42,422	24	46,679	21	40,759	19	38,809	17	35,344	21	42,718	22	42,566	244	481,278	8	
18	43,979	19	48,915	17	44,053	17	44,956	14	32,001	16	35,000	13	29,527	194	464,313	9	
21	46,461	22	47,824	21	47,433	22	50,173	17	37,590	23	51,902	..	...	215	458,043	10
21	36,113	19	32,782	20	33,493	21	35,662	19	30,561	24	38,701	24	37,605	242	395,070	11	
23	21,896	26	25,216	24	23,733	25	22,093	22	18,438	26	21,944	23	19,680	278	281,402	12	
23	24,738	23	26,842	22	21,706	21	23,903	17	18,510	25	27,999	25	29,405	259	280,900	13	
18	26,551	20	30,613	18	27,231	16	25,553	15	20,871	12	17,227	15	24,731	181	277,823	14	
22	25,569	20	25,700	17	20,324	17	19,079	15	17,650	15	18,139	26	39,366	220	273,067	15	
19	21,737	25	28,884	15	19,836	19	26,119	23	31,859	25	35,421	26	35,590	213	264,759	16	
21	24,478	21	25,855	17	20,273	15	20,506	15	19,511	14	17,048	17	21,595	212	247,638	17	
22	23,419	23	24,594	23	26,382	27	24,960	20	25,235	21	20,676	23	19,236	247	243,992	18	
20	18,177	16	23,687	16	17,710	16	17,605	17	18,910	19	21,617	20	21,959	217	226,882	19	
18	23,759	17	21,849	15	19,950	14	19,502	11	15,592	11	15,041	16	21,074	170	223,721	20	
18	15,348	22	19,474	16	17,013	20	21,082	13	16,217	12	13,936	18	23,981	200	201,331	21	
16	21,403	19	23,390	19	20,945	19	18,905	12	14,379	17	18,013	16	21,712	162	186,537	22	
16	14,592	18	18,308	13	12,662	17	17,836	12	12,871	12	12,340	14	13,870	180	161,892	23	
17	14,594	19	16,605	17	13,503	18	14,536	18	15,528	14	13,454	19	15,656	201	158,746	24	
18	13,232	19	17,875	13	14,172	13	14,865	14	16,974	16	21,414	21	24,928	163	145,651	25	
11	3,853	18	16,553	21	22,050	22	27,086	20	21,734	14	15,036	22	26,164	128	132,476	26	
19	7,561	18	9,805	18	10,671	15	9,507	14	10,384	18	12,377	23	18,468	195	109,204	27	
14	8,287	14	8,187	13	8,478	11	8,256	15	8,574	13	7,335	19	11,118	163	99,665	28	
15	9,902	14	9,306	14	12,664	13	13,066	11	9,016	15	14,081	19	17,598	111	89,324	29	
24	7,084	22	10,701	19	10,739	21	10,024	18	11,561	18	10,378	22	11,270	169	76,832	30	
19	6,771	14	3,304	15	4,160	19	4,406	7	1,678	16	4,754	11	2,520	188	54,584	31	
2	585	18	4,085	18	4,837	18	6,012	18	5,947	18	5,051	18	3,645	110	30,162	32	
..	.....	21	2,599	16	2,806	15	3,304	15	2,891	17	3,354	13	2,764	97	17,718	33
16	600	13	500	16	600	20	800	21	800	24	1,200	18	800	225	9,000	34	
12	550	12	400	12	450	15	600	21	700	20	440	15	400	200	6,000	35	
20	840,190	20	973,031	18	851,214	16	901,818	17	774,570	17	870,490	19	870,468	205	9,634,680		

Table 19 shows by districts the average days worked and the ton

TABLE 19—TONS PRODUCED AND THE AVERAGE

District.	Number of days in operation									
	July.		August.		September.		October.		November.	
	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.
First.....	12	58,492	17	86,698	21	107,079	24	135,745	24	135,868
Second.....	15	87,797	17	97,334	19	117,817	22	149,182	23	155,501
Third.....	15	179,932	19	232,723	21	254,770	23	307,081	22	295,495
Fourth.....	12	110,671	16	144,757	22	198,929	22	232,882	23	241,290
Fifth.....	14	333,392	18	391,602	18	436,668	20	546,765	19	563,692
Sixth.....	12	236,906	16	341,189	20	546,443	22	646,182	22	694,807
Seventh.....	14	479,154	16	587,565	17	643,152	21	850,741	22	924,461
Eighth.....	15	337,052	18	524,097	20	614,520	21	688,728	20	644,847
Ninth.....	13	242,705	15	293,941	16	354,962	14	426,238	19	474,310
Tenth.....	15	383,180	19	449,196	16	421,841	17	439,310	17	421,908
Eleventh.....	14	898,101	16	1,133,500	17	1,245,705	19	1,432,143	18	1,318,805
Twelfth.....	15	527,532	18	658,712	14	741,714	20	827,120	19	797,821
The State.....	14	3,934,914	17	4,941,314	18	5,683,600	20	6,682,117	20	6,668,805

nage produced each month.

NUMBER OF DAYS WORKED EACH MONTH, BY DISTRICTS.

and tons of coal produced.																District.
December.		January.		February.		March.		April.		May.		June.		Total.		
Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	Days.	Tons.	
24	138,440	25	143,382	23	130,685	25	144,853	21	102,195	23	124,704	23	119,757	249	1,427,898	1
24	157,987	26	164,472	24	148,498	25	162,747	22	116,201	23	141,820	23	128,663	245	1,628,019	2
23	303,219	24	319,631	23	295,446	24	315,878	21	250,573	24	294,065	24	270,043	255	3,318,856	3
24	243,858	25	271,907	23	247,587	23	245,531	19	177,241	24	238,889	22	195,180	247	2,548,722	4
19	555,625	22	652,597	20	614,043	21	637,480	18	541,939	21	643,637	21	629,652	211	6,547,092	5
23	704,153	25	811,666	23	752,748	24	757,950	20	648,536	23	745,561	24	737,865	227	7,624,006	6
21	959,835	23	1,091,277	19	970,295	19	980,313	18	775,605	20	939,101	22	1,019,010	203	10,220,509	7
22	693,703	22	730,960	19	649,606	22	751,762	17	569,580	19	678,380	20	692,660	207	7,635,875	8
18	544,480	19	568,305	18	548,820	18	560,723	17	512,114	18	558,217	18	567,601	188	5,652,416	9
18	447,295	20	477,113	16	403,071	17	441,791	17	409,497	18	422,783	18	421,515	200	5,138,500	10
19	1,361,826	20	1,505,501	18	1,315,497	21	1,514,035	18	1,230,474	21	1,541,423	22	1,538,472	215	16,035,481	11
20	840,190	20	973,031	18	851,214	16	901,818	17	774,570	17	870,490	19	870,468	205	9,634,680	12
21	6,950,611	22	7,709,842	20	6,927,510	21	7,414,860	18	6,108,525	21	7,199,070	21	7,190,886	215	77,412,054	

Table 20 gives the number of mines, men and average days worked for the year by districts and for the preceding 17 years.

TABLE 20—DAYS OF ACTIVE OPERATION, BY DISTRICTS FOR 1917, AND BY YEARS, 1900-1917.

	All mines.			Shipping mines.			Local mines.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
First.....	52	3,144	173	14	2,568	250	38	576	145
Second.....	81	3,281	190	9	2,848	245	72	433	183
Third.....	97	4,959	178	24	4,511	255	73	448	153
Fourth.....	185	3,442	152	19	2,880	246	166	562	141
Fifth.....	52	6,859	203	28	6,630	211	24	229	194
Sixth.....	34	7,601	231	31	7,578	227	3	23	271
Seventh.....	34	9,001	185	21	8,938	203	13	63	157
Eighth.....	36	6,821	189	25	6,769	207	11	52	150
Ninth.....	63	5,360	195	47	5,227	188	16	133	217
Tenth.....	57	5,501	185	29	5,351	200	28	150	170
Eleventh.....	72	15,618	160	42	15,515	214	30	103	85
Twelfth.....	47	9,306	188	35	9,241	205	12	65	139
1917.....	810	80,893	179	324	78,056	215	486	2,837	154
1916.....	803	75,919	163	284	72,998	185	519	2,921	151
1915.....	779	75,607	158	280	72,227	172	499	3,380	151
1914.....	796	80,635	162	340	77,262	174	456	2,773	153
1913.....	840	79,497	170	371	76,855	179	469	2,642	163
1912.....	879	79,411	160	380	76,407	172	499	3,004	152
1911.....	845	77,410	165	387	74,508	169	458	2,902	162
1910.....	881	74,634	171	390	71,520	179	491	3,114	165
1909.....	886	72,733	168	384	69,518	189	502	3,215	155
1908.....	922	70,841	171	407	67,470	191	515	3,371	161
1907.....	933	66,714	184	411	63,154	209	522	3,500	164
1906.....	1,018	62,283	172	419	58,851	189	599	3,432	160
1905.....	990	59,230	174	397	55,743	198	593	3,487	158
1904.....	932	54,774	198	380	51,384	213	552	3,399	185
1903.....	933	49,814	192	353	46,494	222	580	3,320	171
1902.....	915	46,005	179	332	42,807	210	583	3,198	162
1901.....	915	44,143	174	331	40,940	204	584	3,217	157
1900.....	920	39,384	183	323	36,298	214	597	3,084	166

CLASSIFICATION OF EMPLOYEES.

Table 21 is a classification of employees by districts for the year and by years—1902-1917, inclusive.

TABLE 21—CLASSIFICATION OF EMPLOYEES BY DISTRICTS 1917, AND BY YEARS 1902-1917.

District and year.	Employees under ground.								On the surface.			
	Shipping mines.				Local mines.				Shipping mines.	Local mines.	Grand Total.	
	Miners.	Others employed.	Boys.	Total.	Miners.	Others employed.	Boys.	Total.				
First.....	1,781	451	47	2,279	417	81	.....	498	289	78	367	3,144
Second.....	1,788	738	95	2,621	324	37	.....	361	227	72	299	3,281
Third.....	2,984	1,050	92	4,126	344	47	.....	391	385	57	442	4,959
Fourth.....	1,485	1,119	31	2,635	491	13	.....	504	245	58	303	3,442
Fifth.....	2,512	3,441	113	6,066	165	18	.....	183	564	46	610	6,859
Sixth.....	4,658	2,139	171	6,968	12	.....	7	19	610	4	614	7,601
Seventh.....	1,085	6,922	176	8,183	48	.....	.....	50	755	13	768	9,001
Eighth.....	1,061	4,948	156	6,165	37	.....	5	42	604	10	614	6,821
Ninth.....	1,865	2,888	40	4,793	97	13	.....	110	434	23	457	5,360
Tenth.....	2,008	2,725	133	4,866	98	20	.....	118	485	32	517	5,501
Eleventh.....	462	13,092	257	13,811	85	6	.....	91	1,704	12	1,716	15,618
Twelfth.....	3,262	4,735	209	8,206	45	6	.....	51	1,035	14	1,049	9,306
1917.....	24,951	44,248	1,520	70,719	2,163	248	7	2,418	5,337	419	7,756	80,893
1916.....	24,974	40,577	1,347	66,898	2,298	170	60	2,528	6,100	393	6,493	75,919
1915.....	26,944	38,297	1,183	66,424	2,616	325	7	2,948	5,803	432	6,235	75,607
1914.....	30,071	39,243	1,475	70,789	2,191	38	17	2,246	6,473	527	7,000	80,035
1913.....	33,319	35,577	1,410	70,306	2,082	85	20	2,187	6,549	455	7,004	79,497
1912.....	36,845	31,590	1,494	69,929	2,304	97	32	2,433	6,478	571	7,049	79,411
1911.....	37,512	29,999	997	68,508	2,400	53	12	2,465	6,000	437	6,437	77,410
1910.....	36,533	28,023	1,130	65,686	2,536	114	24	2,674	5,834	440	6,274	74,634
1909.....	48,235	13,556	1,749	63,540	2,599	232	3	2,834	5,978	381	6,359	72,733
1908.....	46,194	13,726	1,549	61,469	2,737	203	15	2,955	6,001	416	6,417	70,841
1907.....	42,663	12,761	1,586	57,010	2,835	265	9	3,109	6,174	421	6,595	66,714
1906.....	40,134	11,324	1,494	52,952	2,786	281	5	3,072	5,899	360	6,259	62,283
1905.....	38,419	10,515	1,528	50,462	2,783	179	12	2,974	5,281	513	5,794	59,230
1904.....	35,294	9,596	1,531	46,421	2,693	216	31	2,940	4,962	451	5,413	54,774
1903.....	32,292	8,315	1,234	41,841	2,612	208	42	2,862	4,653	458	5,111	49,814
1902.....	30,365	7,066	1,349	38,780	2,510	180	48	2,738	4,027	460	4,487	46,005

Table 22 classifies the employees of shipping mines by occupation and gives the number in each occupation.

TABLE 22.—CLASSIFICATION OF EMPLOYEES IN SHIPPING MINES.

Number.	Name of operator.	Postoffice address of the mine.	Number of employees in each occupation.											Total classified.	Number not classified.	Total number of employees.	Number of employees under ground.	Number of employees above ground.	Number.
			Cagers.	Drivers.	Labors.	Loaders.	Machine men.	Miners.	Shot firers.	Timber men.	Track men.	Trap pers.							
GRUNDY COUNTY—FIRST DISTRICT.																			
1	Chi., Wilm. & Franklin Coal Co., No. 3.	South Wilmington.	5	32	35	.....	.....	364	.....	6	4	3	480	446	34	1
2	Wilmington Star Mining Co., No. 7.	Coal City.	2	15	.....	.....	.....	163	.....	1	2	.....	223	201	22	2
	Total.	.....	7	47	35	.....	.....	527	.....	7	6	3	703	647	56	
LASALLE COUNTY—FIRST DISTRICT.																			
1	Oglesby Coal Co.	Oglesby.	5	32	19	.....	.....	210	.....	2	4	.....	312	279	33	1
2	LaSalle Co. Carbon Coal Co., No. 5.	LaSalle.	2	18	.....	.....	.....	249	.....	3	2	6	350	312	38	2
3	LaSalle Co. Carbon Coal Co., No. 1.	do.	2	14	38	.....	.....	214	.....	2	2	1	273	243	36	3
4	LaSalle Co. Carbon Coal Co., Union.	do.	3	12	35	.....	.....	134	.....	5	2	.....	201	173	28	4
5	Hillinois Zinc Co., No. 3.	Perru.	2	11	21	.....	.....	98	.....	1	1	.....	142	127	15	5
6	LaSalle Co. Carbon Coal Co., LaSalle.	LaSalle.	2	8	10	40	6	55	.....	4	2	22	149	127	22	6		
7	Hillinois Zinc Co., No. 1.	Deer Park.	1	7	9	.....	.....	52	.....	2	1	.....	85	71	14	7
8	G. & J. Coal Co., No. 1.	Seneca.	1	2	.....	.....	.....	23	.....	2	1	.....	34	29	5	8
9	Rutland Coal Co., No. 2.	Rutland.	1	5	.....	.....	.....	42	.....	1	1	.....	5	53	12	9
	Total.	.....	18	109	132	41	6	1,077	.....	22	16	30	1,451	1,414	203		
LIVINGSTON COUNTY—FIRST DISTRICT.																			
1	Murphy, Linskey & Kasher Coal Co., No. 1.	Pontiac.	1	4	3	.....	.....	45	.....	1	1	.....	58	52	6	1
2	Fairbury Coal Co., West.	Fairbury	1	4	.....	.....	.....	20	2	1	1	.....	40	29	11	2
	Total.	.....	2	8	3	.....	.....	65	2	2	2	.....	98	81	17	
WILL COUNTY—FIRST DISTRICT.																			
1	Wilmington Coal Mining & Mfg. Co., No. 6.	Torino.	2	11	16	.....	.....	112	.....	6	2	1	150	136	14	1
	The district.	.....	29	175	186	41	6	1,781	2	37	26	34	2,317	2,279	289			
BUREAU COUNTY—SECOND DISTRICT.																			
1	St. Paul Coal Co., No. 2.	Cherry.	2	50	55	.....	.....	448	.....	8	3	11	577	585	46	1
2	Springvalley Coal Co., No. 3.	Springvalley.	2	36	26	.....	.....	389	.....	3	4	15	475	475	36	2

3 Springvalley Coal Co., No. 1.....	do.	2	36	41	154	21	193	.....	3	4	21	475	39	514	481	33	3
4 Springvalley Coal Co., No. 5.....	Dalzell.....	2	30	22	.....	.....	295	.....	5	3	9	366	29	395	366	29	4
5 Illinois Third Venn Coal Co., No. 1.....	Ladd.....	3	35	44	55	9	265	.....	7	4	13	435	28	463	424	39	5
Total.....		11	187	188	206	30	1,590	.....	26	18	69	2,328	186	2,514	2,331	183	
MERCER COUNTY—SECOND DISTRICT.																	
1 Alden Coal Co., No. 7.....	Matherville.....	2	14	13	.....	.....	82	2	1	5	1	120	10	130	120	10	1
2 Coal Valley Mining Co., No. 3.....	do.	3	14	3	134	115	77	2	1	3	.....	103	31	134	115	19	2
3 Coal Valley Mining Co., No. 2.....	Sherrard.....	1	4	2	.....	.....	27	2	1	1	.....	38	13	51	40	11	3
Total.....		6	32	18	.....	.....	186	6	3	9	1	261	54	315	275	40	
STARK COUNTY—SECOND DISTRICT.																	
1 Higbee Coal Co.....	Wyoming.....	.....	.....	4	.....	.....	12	1	1	1	.....	19	.....	19	15	4	1
The district.....		17	219	210	209	30	1,788	7	30	28	70	2,608	240	2,818	2,621	227	
MARSHALL COUNTY—THIRD DISTRICT.																	
1 Toluca Coal Co., No. 1.....	Toluca.....	8	36	10	17	3	406	.....	5	5	12	502	126	628	552	76	1
2 Wenona Coal Co., No. 1.....	Wenona.....	3	18	40	.....	.....	225	.....	2	3	1	292	.....	292	279	13	2
3 Aene Coal Co., No. 3.....	Spartland.....	.....	3	3	.....	.....	25	1	2	1	.....	35	3	38	33	5	3
Total.....		11	57	53	17	3	656	1	9	9	13	829	129	958	864	94	
MENARD COUNTY—THIRD DISTRICT.																	
1 Athens Dawson Coal Co., No. 1.....	Athens.....	2	15	10	.....	.....	116	2	4	6	2	157	.....	157	147	10	1
PEORIA COUNTY—THIRD DISTRICT.																	
1 Wolschlag Co-operative Coal Co.....	Peoria.....	.....	8	.....	.....	.....	150	2	2	3	1	166	14	180	173	7	1
2 Clarke Coal & Coke Co., No. 2.....	do.	3	15	33	.....	.....	176	2	3	7	.....	239	30	269	242	27	2
3 M. E. Case Coal Co.....	do.	.....	11	21	.....	.....	169	2	1	4	.....	211	13	226	211	13	3
4 Crescent Coal Co., No. 1.....	do.	.....	9	.....	20	6	140	2	2	4	3	186	29	215	185	30	4
5 Logan Coal Co.....	Hanna City.....	2	7	73	12	.....	77	2	1	6	.....	110	22	132	120	12	5
6 Newsam Bros., No. 4.....	Glasford.....	2	11	3	.....	.....	73	2	2	5	2	102	8	110	102	8	6
7 Warsaw Coal Co.....	Edwards.....	.....	7	4	.....	.....	31	2	1	3	.....	90	11	104	90	14	7
8 Collier Co-operative Coal Co., No. 1.....	Bartonville.....	1	2	.....	.....	.....	73	3	1	.....	.....	36	6	42	38	4	8
9 Mapleton Coal Co.....	Mapleton.....	1	1	.....	.....	.....	35	2	1	1	.....	44	4	48	41	4	9
10 German Coal Co.....	do.	.....	3	.....	22	4	.....	.....	1	.....	.....	30	.....	30	26	1	10
11 Lancaster Ldg. C. & T. Co., No. 1.....	Kingston Mines.....	.....	6	8	.....	.....	30	2	.....	1	1	48	.....	48	38	10	11
Total.....		12	80	76	115	22	881	18	14	34	10	1,262	112	1,401	1,269	135	

TABLE 22—Continued.

Number.	Name of operator.	Postoffice address of the mine.	Number of employees in each occupation.										Total classified.	Number not classified.	Total number of employees.	Number of employees under ground.	Number of employees above ground.	Number.
			Cagers.	Drivers.	Labors.	Loaders.	Machine men.	Miners.	Shot firers.	Timber men.	Track men.	Trap pers.						
PUTNAM COUNTY—THIRD DISTRICT.																		
1	St. Paul Coal Co., No. 1.....	Granville.....	5	30	.....	.....	.....	535	.....	9	3	12	594	127	721	670	51	1
2	B. F. Berry Coal Co., No. 1.....	Standard.....	2	27	35	.....	.....	375	.....	6	3	8	456	.....	456	420	36	2
	Total.....		7	57	35	.....	.....	910	.....	15	6	30	1,050	127	1,177	1,090	87	
TAZEWELL COUNTY—THIRD DISTRICT.																		
1	Groveland Mining Co., No. 1.....	Peoria.....	2	14	6	30	6	125	2	4	6	1	196	5	201	193	8	1
2	Tazewell Coal Co.....	Pekin.....	2	14	.....	104	24	.....	.....	3	3	.....	150	22	172	158	14	2
3	Ubben Coal Co.....	do.....	1	4	3	21	4	10	2	1	1	.....	47	4	51	47	4	3
4	Lake Erie Coal & Mining Co.....	Peoria.....	.....	3	.....	.....	.....	26	2	1	1	.....	33	4	37	33	4	4
5	Urbondale Coal Co.....	East Peoria.....	.....	1	.....	.....	.....	10	.....	.....	2	.....	13	9	22	21	1	5
	Total.....		5	36	9	155	34	171	6	9	13	1	439	44	483	452	31	
WOODFORD COUNTY—THIRD DISTRICT.																		
1	Roanoke Coal Co.....	Roanoke.....	2	16	.....	1	3	170	.....	2	2	5	201	22	223	205	18	1
2	Minonk Coal Co., No. 2.....	Minonk.....	2	9	4	.....	.....	80	.....	1	2	1	99	10	109	99	10	2
	Total.....		4	25	4	1	3	250	.....	3	4	6	300	32	332	304	28	
	The district.....		41	270	187	288	62	2,984	27	54	72	52	4,037	474	4,511	4,126	385	
FULTON COUNTY FOURTH DISTRICT.																		
1	Big Creek Coal Co., No. 2.....	St. David.....	1	19	18	180	30	25	2	6	4	8	293	40	333	303	30	1
2	Silver Creek Coal Co.....	Farmington.....	2	16	5	.....	.....	169	2	1	8	3	206	19	225	208	17	2
3	Big Creek Coal Co., No. 4.....	Dunfermline.....	3	16	6	130	18	20	2	4	4	6	209	45	254	236	18	3
4	Monmouth Coal Mining Co., No. 1.....	Breton.....	3	10	5	.....	.....	148	2	3	6	3	180	20	200	184	16	4
5	Alden Coal Co., No. 8.....	Farmington.....	1	11	17	102	12	.....	.....	2	1	4	150	7	157	143	14	5
6	National Coal Mining Co.....	do.....	3	18	3	.....	.....	115	2	1	5	1	148	12	160	148	12	6
7	Star Coal Co., No. 3.....	Cuba.....	2	17	.....	.....	.....	135	2	2	2	3	163	18	181	168	13	7
8	Simmons Coal Co.....	Farmington.....	2	12	28	65	14	20	2	2	2	4	149	7	156	146	10	8
9	Maplewood Coal Co., No. 2.....	Canton.....	1	7	2	.....	.....	85	2	2	2	1	102	8	110	102	8	9
10	Eagle Mining Co.....	Canton.....	2	10	4	.....	.....	125	2	4	2	3	152	13	165	152	13	10

11 Alden Coal Co., No. 6.....	2	12	12	111	2	3	3	145	16	161	148	13 11
12 Alden Coal Co., No. 5.....	3	11	19	98	2	2	3	139	6	145	131	14 12
13 Big Creek Coal Co., No. 3.....	3	10	7	105	2	2	3	135	12	138	136	12 13
14 Spoon River Coal Co., No. 1.....	1	6	4	85	2	2	2	105	26	131	117	14 14
15 Napiewok Coal Co., No. 1.....	1	5	2	65	2	2	2	85	7	85	78	7 15
16 Norris Coal Mining Co., No. 1.....	2	14	6	85	2	4	4	118	22	140	123	17 16
17 Coal Creek Mining Co., No. 1.....	3	2	2	27	1	1	1	33	1	34	31	3 17
18 Star Coal Co., No. 2.....	7	7	3	37	2	1	1	48	4	52	43	9 18
19 Star Coal Co., No. 1.....	1	4	4	39	2	1	1	36	7	43	38	5 19
Total.....	33	212	140	74	477	74	41	2,507	283	2,880	2,635	215
CHRISTIAN COUNTY—FIFTH DISTRICT.												
1 Peabody Coal Co., No. 7.....	2	6	339	58	4	18	4	427	135	562	526	36 1
2 Peabody Coal Co., No. 8.....	2	12	34	52	5	12	5	367	44	411	377	34 2
3 Peabody Coal Co., No. 21.....	2	19	28	26	1	9	1	304	68	372	334	38 3
4 Springfield District Coal Mining Co., No. 8.....	2	15	21	222	4	11	9	294	51	343	316	29 4
5 Penwell Coal Mining Co., No. 1.....	2	13	42	200	4	4	4	272	7	279	253	26 5
6 Smith-Loth Coal Mining Co., No. 1.....	4	15	46	212	4	9	6	206	20	316	282	34 6
7 Pana Coal Co., No. 1.....	2	10	6	200	3	3	4	228	72	300	265	35 7
8 Assumption Coal & Mining Co., No. 1.....	2	11	6	31	1	2	1	103	45	148	136	12 8
9 Greenwood Coal Co., No. 1.....	1	3	2	11	1	1	1	17	17	17	14	3 9
Total.....	19	105	182	876	5	35	64	2,308	442	2,750	2,503	247
MACON COUNTY—FIFTH DISTRICT.												
1 Manufacturers & Consumers Coal Co., No. 1.....	2	17	23	159	1	1	2	207	26	233	215	18 1
2 Decatur Coal Co., No. 1.....	2	18	40	100	2	3	2	167	2	169	161	8 2
3 Niantic Mining Co., No. 1.....	2	4	10	28	2	2	2	50	10	60	50	10 3
Total.....	6	39	73	287	2	5	7	424	38	462	426	36
MOULTRE COUNTY—FIFTH DISTRICT.												
1 Lovington Coal Mining Co., No. 1.....	2	13	3	160	1	3	1	186	14	200	183	17 1
SHELBY COUNTY—FIFTH DISTRICT.												
1 Moweaqua C. M. & Mfg. Co., No. 1.....	2	8	6	16	4	4	2	96	12	108	90	18 1
2 Tower Hill Coal Co., No. 1.....	1	6	18	15	16	2	2	58	13	71	58	13 2
Total.....	3	14	24	15	20	4	2	154	25	179	148	31
VERMILION COUNTY—FIFTH DISTRICT.												
1 United States Fuel Co., Verm., No. 1.....	4	44	90	37	4	36	16	722	71	793	748	45 1
2 United States Fuel Co., No. 4.....	3	32	50	535	4	30	20	14	688	60	748	35 2
3 Peabody Coal Co., No. 24.....	2	17	12	160	4	14	11	6	321	42	366	37 3

TABLE 22—Continued.

Number.	Name of operator.	Postoffice address of the mine.	Number of employees in each occupation.								Total classified.	Number not classified.	Total number of employees.	Number of employees under ground.	Number of employees above ground.	Number.
			Cagers.	Drivers.	Laborers.	Loaders.	Machine-men.	Miners.	Shot firers.	Timber-men.	Track-men.	Trap-pers.				
4	United States Fuel Co., No. 3	Westville.	3	20	40	159	17	53	2	12	12	7	325	327	35	4
5	Missionfield Coal Co., No. 2	Oakwood.	3	6	5	80	8	33	2	2	3	2	144	139	11	5
6	Two Rivers Coal Co., No. 4	Danville.			78								78	78		6
7	Missionfield Coal Co., No. 3	Oakwood.	3	8		60	8	45	2	4	5		135	124	11	7
8	Carbon Hill Coal Co., No. 3	Danville.			65								65	65		8
9	Sharon Hill Coal Co., No. 1	Georgetown.	2	5				62		3	6	1	79	93	80	13
10	Danville Collieries Co.	Catlin.	1	8	6			69	3	5	3		95	5	100	88
11	United States Fuel Co., Bun.	Westville.	1	3	15			48	1	1	1		70	93	64	29
12	Ohio Fuel Co.	Grape Creek.			43								43	43		12
13	Brady Branch Coal Co.	Danville.				6	2						8	13	8	5
	Total.		22	143	404	694	84	1,174	22	107	80	46	2,776	2,806	233	
	The district.		52	314	686	1,593	242	2,512	29	168	158	94	5,848	6,630	564	
	LOGAN COUNTY—SIXTH DISTRICT.															
1	Latham Coal & Mining Co.	Lincoln.	2	20	6			250	2	6	4	8	298	343	318	25
2	Citizens Coal & Mining Co.	do.	2	12	3			130	2	3	2	3	137	2	139	24
3	Lincoln Mining Co.	do.	2	11	9			107	2	2	3	5	141	30	171	26
	Total.		6	43	18			487	6	11	9	16	596	77	673	75
	MC LEAN COUNTY—SIXTH DISTRICT.															
1	McLean County Coal Co.	Bloomington.	2	7	2			90		3	4	1	109	135	119	16
2	Colfax Coal Co.	Colfax.	1	2	3			14	2	4			26	31	26	5
	Total.		3	9	5			104	2	7	4	1	135	31	166	21
	SANGAMON COUNTY—SIXTH DISTRICT.															
1	Madison Coal Corporation, No. 6	Dixon.	4	33	35	292	48			12	26	7	457	513	474	39
2	Chi. Wilm. & Franklin Coal Co., No. 1	Thayer.	6	37	29	298	54			6	17	444	64	508	468	40
3	Springfield Dist. Coal Mining Co., No. 2	Riverton.	1	27	24			365	6	8	12	7	433	41	494	466
4	Springfield Dist. Coal Mining Co., No. 4	Arbarn.	3	19	36			276	4	6	14	3	335	18	373	348
5	Jones & Adams Coal Co.	Springfield.	1	24	46			294	4	12	8	1	390	24	414	382
6	Peabody Coal Co., No. 6	Sherman.	2	21	4			310	6	10	10	4	370	67	437	31

Chicago & Springfield Coal Co.																
7	4	31	8	204	4	6	9	8	274	18	292	273	19	7		
8	25	20	20	250	4	3	2	4	310	18	328	306	22	8		
9	16	27	27	215	4	5	5	7	281	21	302	281	21	9		
10	3	15	17	230	2	4	8	2	287	6	293	276	17	10		
11	3	15	3	220	2	4	4	3	249	30	279	265	14	11		
12	11	14	14	152	2	4	4	4	207	21	228	210	18	12		
13	13	13	13	147	2	4	4	2	170	34	201	185	19	13		
14	20	25	25	200	2	4	8	9	270	30	300	275	25	14		
15	15	19	19	140	4	4	4	2	190	16	206	186	20	15		
16	15	19	15	135	2	2	2	4	171	15	186	171	13	16		
17	12	12	12	120	2	2	2	3	158	34	132	178	14	17		
18	2	6	6	160	3	2	3	3	194	19	213	200	13	18		
19	13	6	6	134	2	2	2	2	172	14	186	173	13	19		
20	2	4	4	105	2	2	3	3	134	13	147	134	13	20		
21	12	4	4	60	2	2	2	3	87	9	96	87	9	21		
22	11	12	12	125	2	5	4	4	163	12	175	159	16	22		
23	3	7	7	91	2	2	4	1	125	10	135	122	13	23		
24	11	5	5	60	2	2	2	2	88	12	100	84	16	24		
25	8	4	4	60	2	2	2	2	81	15	96	81	15	25		
26	3	11	11	20	2	2	2	2	37	5	42	35	7	26		
Total.....																
The district.....																
MACOUPIN COUNTY—SEVENTH DISTRICT.																
1	3	19	392	48	16	36	6	520	170	640	656	31	1
2	3	30	370	96	8	28	5	540	169	709	665	44	2
3	32	388	52	338	52	18	36	10	539	135	474	611	33	3
4	31	148	336	52	10	26	11	616	6	622	590	62	4
5	1	18	111	354	32	do.	8	22	13	559	10	569	528	41	5
6	3	31	165	326	32	do.	8	28	7	569	567	557	42	6	
7	3	33	53	250	48	14	22	8	431	25	456	401	55	7
8	3	22	25	4	4	11	291	23	317	294	23	8
9	5	17	20	126	36	8	5	4	217	43	240	240	20	9
10	4	10	30	128	2	5	2	182	43	182	165	17	10
11	2	12	43	26	6	97	2	3	5	4	200	16	216	180	27	11
12	1	2	29	20	4	6	55	13	68	58	10	12
Total.....																
MONTGOMERY COUNTY—SEVENTH DISTRICT.																
1	3	23	60	310	44	16	16	18	494	54	548	494	54	1
2	3	482	20	24	2	531	131	662	622	40	2
3	2	21	260	32	26	22	348	97	465	385	80	3
4	3	15	73	350	54	22	28	545	40	585	515	40	4
5	2	22	10	230	34	12	10	3	823	25	348	323	25	5
6	4	20	45	140	20	14	22	7	272	272	244

TABLE 22—Continued.

Number.	Name of operator.	Postoffice address of the mine.	Number of employees in each occupation.										Total classified.	Number not classified.	Total number of employees.	Number of employees under ground.	Number of employees above ground.
			Chagers.	Drivers.	Laborers.	Loaders.	Machine men.	Miners.	Shot thers.	Timber men.	Track men.	Trap pers.					
7	C. & E. I. Coal Properties, No. 12.	Witt.	2	18	15	66	10	116	...	10	14	5	256	31	287	262	25
8	Coffeen Coal Mining Co., No. 2.	Coffeen.	1	10	110	...	...	...	2	8	8	4	143	32	175	150	8
9	C. & E. I. Coal Properties, No. 15.	Taylor Springs.	2	7	40	100	6	21	...	10	9	2	199	35	234	204	30
	Total.		22	117	267	1,566	200	619	8	138	153	41	3,131	445	3,576	3,229	347
	The district.		54	374	882	4,134	602	1,085	18	244	373	117	7,883	1,055	8,938	8,183	755
	BOND COUNTY—EIGHTH DISTRICT.																
1	Pocahontas Mining Co., No. 1.	Pocahontas.	2	8	6	...	...	85	2	4	4	2	113	16	129	119	10
	CLINTON COUNTY—EIGHTH DISTRICT.																
1	Southern Coal Coke & Mining Co., No. 9.	New Baden.	2	25	72	284	42	20	5	12	16	10	488	30	518	470	48
2	Breese-Trenton Mining Co., Buxton.	Beckemeyer.	2	13	10	175	16	...	...	6	6	3	231	20	251	231	20
3	North Breese Coal Mining Co., N. M.	Breese.	4	13	169	26	...	...	...	4	8	2	225	32	258	240	18
4	Breese Trenton Mining Co., E. B.	do.	2	10	12	125	10	...	...	4	6	...	169	32	201	175	26
5	Consolidated Coal Co.	do.	6	9	...	...	...	130	4	4	3	2	158	15	173	158	15
	Total.		16	70	94	733	94	150	9	30	39	17	1,272	129	1,401	1,274	127
	MADISON COUNTY—EIGHTH DISTRICT.																
1	New Staunton Coal Co., No. 1.	Livingston.	2	40	12	442	68	...	...	2	34	9	609	38	647	607	40
2	Mt. Olive & Staunton Coal Co., No. 2.	Staunton.	12	33	52	382	60	...	2	...	18	22	593	44	637	593	44
3	Donk Bros. Coal & Coke Co., No. 2.	Maryville.	4	32	360	56	...	...	...	16	17	18	503	83	588	538	50
4	Donk Bros. Coal & Coke Co., No. 1.	Collinsville.	7	26	15	...	...	284	4	12	10	3	361	30	391	351	40
5	Lumaghi Coal Co., No. 2.	do.	3	20	30	225	42	...	...	20	18	7	365	61	426	394	32
6	Madison Coal Corp., No. 2.	Glen Carbon.	3	16	28	184	60	...	...	11	6	3	311	37	348	311	37
7	Kerns-Donnewald Coal Co.	Worden.	1	16	19	160	24	...	...	3	12	6	241	25	266	246	20
8	Donk Bros. Coal & Coke Co., No. 3.	Troy.	3	14	45	71	12	71	2	20	5	4	247	44	291	269	22
9	Mt. Olive & Staunton Coal Co., No. 1.	Staunton.	4	16	12	105	16	...	...	2	15	9	179	34	213	189	24
10	Lumaghi Coal Co., No. 3.	Collinsville.	2	13	7	...	...	113	2	2	2	3	148	21	169	153	16
11	City Coal Co., No. 3.	do.	1	6	2	38	6	...	...	2	6	3	60	11	71	62	9
12	Madison County Mining Co.	Edwardsville.	1	4	2	...	...	34	2	1	1	...	45	5	50	45	5
13	Abbey Coal Corp., No. 1.	Collinsville.	1	2	1	...	...	18	1	...	...	...	23	3	26	24	2

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
14 East Side Coal Co.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
15 Beck White Coal Co.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Total.	46	243	237	1,977	344	559	17	93	145	88	3,749	445	4,194	3,844	350						
MARION COUNTY—EIGHTH DISTRICT.																					
1 Marion Co. Coal Co., No. 1	2	30	25	200	34	73	4	12	14	15	409	95	504	443	61	1					
2 Chicago-Sandoval Coal Co., No. 2	5	13				117	4	4	3	2	148	30	178	159	19	2					
3 Odin Coal Co.	5	16	23	168	24			3	3	8	230		227	23	3						
4 Chicago-Sandoval Coal Co., No. 1	2	8				77	2		2	2	93		20	113	99	14	4				
Total.	14	67	48	368	58	267	10	19	22	27	900	145	1,045	928	117						
The district.	78	388	385	3,028	496	1,061	38	146	210	134	6,034	735	6,769	6,165	604						
ST. CLAIR COUNTY—NINTH DISTRICT.																					
1 St. Louis & O'Fallon Coal Co., No. 2	11	34	26	330	50				3	17	12	483	97	580	544	36	1				
2 Southern Coal Coke & Mining Co., No. 8	3	26	42	256	40				4	12	4	387	18	405	371	34	2				
3 Consolidated Coal Co., No. 17	6	30	10	184	64				8	20	2	324	20	344	324	20	3				
4 Prairie Coal Co.	4	20	32	200					2	8	7	275	14	289	258	31	4				
5 Southern Coal Coke & Mining Co., No. 17	3	21	30	152	38				4	10	4	265	16	281	255	26	5				
6 Kolb Coal Co., No. 2	2	8	9	1					2			201	4	205	191	14	6				
7 St. Ellen Coal Co.	4	15	10						4	4		255	11	266	255	11	8				
8 St. Louis & O'Fallon Coal Co., No. 1	4	13	10						7			182	21	203	189	14	7				
9 Superior Mining Co.	2	7	2						4	4	115	10	105	105	10	9					
10 Eldnar Coal Co.	2	9	2	50	12	58	4		4	4	141	8	149	141	8	10					
11 Suburban Coal & Mining Co.	2	11	5			63	2		2		85	15	100	91	9	11					
12 International Coal & Mining Co., Carbon	2	6	16	60	8				3	3	95		95	85	10	12					
13 Mulberry Hill Coal Co.	2	9	2	58	8				1	1	80	10	90	82	8	13					
14 Columbia Coal Co., Royal	2	7		49	14						74	8	82	74	8	14					
15 International Coal & Mining Co., Taylor	2	9	24	125					2	6	2	170		170	158	12	15				
16 Kolb Coal Co., No. 1	7	5	1			81	2	1	1												
17 Star Coal Co., Star	2	6	4	42	14				3		104	6	110	96	14	18					
18 Egyptian Coal & Mining Co.	2	8	8	48	12	20	2	1	3		167	7	71	67	7	19					
19 Victoria Coal Co., Senior	2	4	2	36	10				4	2	145		152	138	14	20					
20 Southern Coal Coke & Mining Co., No. 1	2	10	22	20		102	2	2	1												
21 Kolb Coal Co., Fairbank	1	5	7	21	78	74	2	1	1		95	2	97	90	7	21					
22 Jones Bros. Coal & Mining Co., No. 1	2	7	3			74	2		1		89	2	96	89	7	22					
23 Aben Coal Co., Mass e	1	5	6			42	4		2		57	2	62	56	6	23					
24 Golden Rule Coal Co.	2	4	2			45	4		1	1	63	6	63	57	6	24					
25 Fullerton Coal Co.	2	7	2			53			2		50	7	57	52	5	25					
26 Forsythe Coal Co.	2	3	2			45	4		1	1	65	7	62	57	7	26					
27 H. E. Miller, Ruby	2	5	7			42	2		1		65	7	72	65	7	27					
28 White Coal Co.	2	5				34	2		1		42	6	48	42	6	28					
29 Northern Coal Co.	1	4	3			31	1		3		35	8	43	43		29					
30 Pittsburgh Mining Co.	1	5	3			45	3		1		56		65	58		30					
31 White Sergeant Coal Co.	1	5	3			40	3		2		54	7	61	54		31					
32 Summit Coal & Mining Co.	2	4	5			46			1		58	5	63	58		32					

TABLE 22—Continued.

Number.	Name of operator.	Postoffice address of the mine.	Number of employees in each occupation.										Total classified.	Number not classified.	Total number of employees.	Number of em- ployees under ground.	Number of em- ployees above ground.	Number.	
			Cagers.	Drivers.	Laborers.	Loaders.	Machine- men	Miners.	Shot firers.	Timber- men.	Track- men.	Trap- pers.							
33	New National Coal Co.	Bellville.	2	5	3				30	6	1	1	46	7	53	48	533		
34	Guest Coal Co.	do.	1	9	2				55			2	68	7	75	68	733		
35	Oakdale Coal & Mining Co.	do.	1	2	2				17	2			24	6	30	24	635		
36	Groom Coal Co.	do.	1	1	1				30	2			36	3	39	36	336		
37	Lenzburg Coal Co., Tierre.	Freeburg.	1	3	1				34		1		40	8	48	41	737		
38	Glendale Coal & Mining Co.	Freeburg.	1	4	1				42		1		48	4	52	48	438		
39	Highland Coal Co.	Bellville.	1	2	1				24				28	3	31	28	339		
40	Kolb Coal Co., V. Hill.	New Athens.	1	4	4				40	1		1	51	2	53	47	640		
41	Jack Run Coal Co.	Freeburg.	1	4	2				19				27	3	30	27	341		
42	Peoples Coal Co.	Lebanon.	1	3		18	5				1		29	4	33	28	542		
43	New Freeburg Coal Co.	Freeburg.	1	3					14				10	2	16	13	343		
44	Radium Coal Co.	Bellville.	1			9							10		9		144		
45	W. L. Scott Coal Co.	do.	1	6	2				20	2		1	32	4	36	32	445		
46	Southern Coal Coke & Mining Co., No. 5.	do.		1					8				9	3	12	10	246		
47	Enterprise Collieries Co., No. 1.	Rentchler.		1	3				11	2	2		19	4	23	20	347		
Total.			93	363	325	1,609	295	1,865	60	36	138	32	4,816	411	5,227	4,793	434		
JACKSON COUNTY—TENTH DISTRICT.																			
1	Jackson Coal Co., M. V.	Halidayboro.	10	27	12				221	4	3	7	10	294	46	340	297	43	1
2	Big Muddy Coal & Iron Co., No. 9.	Murphysboro.	2	26	18	140	18				23	16	10	253	31	281	255	29	2
3	Grasside Coal Co., No. 4.	do.	2	12	8	40	14	8			4	4	2	94	20	114	94	20	3
4	Big Muddy Coal & Iron Co., No. 10.	do.	1	7	5	70	12				5	3		103	27	130	115	15	4
5	Gus Blair Big Muddy Coal Co., No. 2.	do.	1	5	4	44	16	4			1	2		77	7	84	77	7	5
6	De So Peacock Coal Co., No. 1.	De Soto.	1	2	16					2	1	1		23	2	25	21	4	6
Total.			17	79	63	294	60	233	6	37	33	22	844	133	977	859	118		
PERRY COUNTY—TENTH DISTRICT.																			
1	Majestic Coal & Coke Co.	Duquoin.	4	19		28	4	450	6	14	21	3	549		549	509	40	1	1
2	Security Coal & Mining Co., No. 1.	do.	3	35	95	350	48			10	15	14	570		570	520	50	2	3
3	Paradise Coal Co.	do.	4	30	25	200	28	125	4	2	20	8	446	50	496	456	40	3	4
4	Willis Coal & Mining Co.	Willisville.	3	18	4	183	30			2	8	2	256	16	272	240	32	4	4
5	Ritehey Coal Co., No. 1.	Pineknayville.	2	9	8			132	2	2	2	2	159	22	181	164	17	5	5
6	St. Louis Coulterville Coal Co.	Coulterville.	1	7	10			100	2		2		122	12	134	123	11	6	6

7 Crown Coal Mining Co., B. E.	1	8	3	.....	59	3	1	1	1	77	11	77	11	7
8 Wilson Coal Co., G. M.	1	3	.....	36	.....	.....	.....	.....	.....	40	8	48	45	3
9 Collier Coal Co., Little M.	2	5	.....	60	2	.....	2	2	2	73	5	78	71	7
10 Bailey Bros. Coal Co., Diamond.	1	4	4	.....	33	.....	.....	.....	.....	45	41	45	41	4
11 Super Coal Co.	1	4	1	.....	23	2	1	1	1	34	7	41	34	7
Total.....	23	142	150	761	110	1,020	21	32	73	2,371	131	2,502	2,280	222
RANDOLPH COUNTY—TENTH DISTRICT.														
1 Willis Coal Mining Co., No. 6.	2	14	10	150	36	.....	.....	2	12	231	31	262	240	22
2 Illinois Fuel Co., No. 4.	2	15	13	120	18	.....	.....	.....	5	173	18	186	185	13
3 Moffat Coal Co., No. 1.	2	18	3	108	32	.....	.....	.....	4	168	23	186	175	11
4 Jones Bros. Coal & Mining Co., No. 2.	2	9	4	.....	126	2	.....	.....	3	147	10	137	147	10
5 Wilson Bros. Coal Co., No. 7.	2	8	4	56	8	.....	.....	2	5	109	11	123	115	8
6 Tilden Coal Co., Crystal.	2	8	3	.....	18	2	2	2	5	89	10	99	89	10
7 Randolph County Coal Co.	2	6	3	.....	70	2	1	1	1	59	6	65	57	8
8 West Side Coal & Mining Co.	2	4	2	.....	43	2	1	1	1	52	10	62	52	10
9 Tilden Coal Co., Tilden.	2	5	4	.....	38	4	1	2	2	68	7	75	68	7
Total.....	18	87	46	434	94	345	16	7	36	1,068	129	1,227	1,128	99
WASHINGTON COUNTY—TENTH DISTRICT.														
1 Centralia Coal Co., No. 5.	5	.....	115	30	12	351	8	8	16	555	10	565	527	38
2 Nashville Mining Co.	2	5	3	.....	40	2	1	1	1	54	5	59	43	6
3 Kuhn Colliery Co.	.....	.....	.....	.....	19	2	.....	.....	.....	21	19	.....	.....	2
Total.....	7	5	118	30	12	410	12	9	17	630	15	645	599	6
The district.....	65	313	377	1,519	276	2,008	55	85	159	4,943	408	5,351	4,866	485
FRANKLIN COUNTY—ELEVENTH DISTRICT.														
1 Old Ben Coal Corporation, No. 8.	2	14	230	428	35	.....	6	6	20	753	76	829	739	90
2 Bell & Zoller Mining Co., No. 1.	1	.....	24	434	62	.....	6	15	38	595	184	779	700	79
3 Chi. Wiln. & Franklin Coal Co., No. 1.	4	.....	106	426	60	.....	12	7	37	669	300	969	850	119
4 Old Ben Coal Corporation, No. 9.	2	.....	32	436	70	.....	6	15	35	614	275	889	679	210
5 Old Ben Coal Corporation, No. 14.	2	.....	105	425	56	.....	4	5	30	644	25	669	614	55
6 Old Ben Coal Corporation, No. 11.	2	.....	60	431	62	.....	4	4	36	681	124	785	697	90
7 Old Ben Coal Corporation, No. 10.	2	39	10	293	42	45	4	4	30	473	86	539	491	65
8 Old Ben Coal Corporation, No. 12.	3	.....	90	310	40	.....	4	4	22	486	18	301	461	4
9 West Frankfort Coal Co., No. 1.	5	29	30	280	42	.....	4	6	12	426	53	473	428	45
10 Franklin Coal & Coke Co., No. 1.	14	11	77	237	36	120	4	.....	11	512	63	575	498	77
11 Sesser Coal Co., No. 1.	3	26	50	350	47	50	4	25	30	600	630	600	600	50
12 Benton Coal Co., No. 1.	3	26	79	297	34	.....	2	18	18	488	61	549	491	58
13 John A. Logan Coal Co.	3	22	60	140	34	.....	2	24	20	320	3	323	293	60
14 W. P. Rend Coal Co.	3	21	20	160	40	.....	2	12	8	280	30	310	270	40
15 By Products Coke Corporation, No. 18.	2	1	140	20	.....	.....	2	12	10	191	73	264	223	41
16 By Products Coke Corporation, No. 19.	3	25	.....	200	22	.....	3	10	13	289	51	340	301	39

TABLE 22—Concluded.

Number.	Name of operator.	Postoffice address of the mine.	Number of employees in each occupation.								Total classified.	Number not classified.	Total number of employees.	Number of employees under ground.	Number of employees above ground.	Number.
			Cagers.	Drivers.	Laborers.	Loaders.	Machine-men.	Miners.	Shot firers.	Timber-men.	Track-men.	Trap-pers.				
17	Taylor Mining Co., No. 5.....	Herrin.....	2	12	9	100	32	20	.....	1	6	5	217	187	30	17
18	United States Fuel Co.....	Benton.....	3	12	30	108	18	.....	.....	2	10	5	213	202	48	18
19	Taylor Collieries Co., No. 6.....	do.....	4	21	20	146	21	.....	.....	4	14	6	366	351	109	19
20	Franklin Coal & Coke Co., No. 2.....	Royalton.....	4	7	29	.....	.....	45	2	3	3	.....	98	89	9	20
21	Western Coal Mining Co., No. 2.....	do.....	2	4	12	48	8	2	2	2	2	.....	120	90	40	21
	Total.....		72	270	1,073	5,392	788	323	83	197	410	199	10,511	9,208	1,303	
	GALLATIN COUNTY—ELEVENTH DISTRICT.															
1	Hickory Hill Coal Co.....	Junction, R. R. No. 1.....	.....	7	15	40	6	.....	.....	1	2	.....	71	61	10	1
2	Northern Coal Co., No. 4.....	Equality.....	.....	1	6	25	.....	56	2	1	2	.....	93	83	10	2
	Total.....		.....	8	21	65	6	56	2	2	4	.....	164	144	20	
	SALINE COUNTY—ELEVENTH DISTRICT.															
1	Saline County Coal Co., No. 3.....	Harrisburg.....	6	6	90	280	32	.....	4	10	18	4	450	413	45	1
2	O'Gara Coal Co., No. 9.....	do.....	6	34	15	262	35	.....	.....	12	10	8	382	362	20	2
3	Wasson Coal Co., No. 1.....	Wasson.....	2	30	25	265	40	.....	.....	2	8	7	379	329	22	3
4	O'Gara Coal Co., No. 11.....	Harrisburg.....	4	23	18	197	31	.....	.....	2	8	3	286	251	15	4
5	O'Gara Coal Co., No. 10.....	Eldorado.....	3	20	20	162	37	.....	.....	1	8	4	255	217	18	5
6	J. Dering Coal Co., No. 3.....	do.....	2	26	36	150	30	20	4	2	12	2	314	293	21	6
7	O'Gara Coal Co., No. 1.....	Harrisburg.....	2	23	15	246	29	.....	.....	2	8	3	328	318	18	7
8	Saline County Coal Co., No. 2.....	do.....	2	17	36	155	26	13	.....	2	10	2	258	236	15	8
9	Saline County Coal Co., No. 6.....	do.....	2	14	10	125	26	.....	2	6	8	3	178	166	14	9
10	Harrisburg Saline Col. Co., No. 15.....	do.....	2	21	9	173	28	28	.....	3	8	3	196	141	10	10
11	O'Gara Coal Co., No. 8.....	Eldorado.....	3	16	4	134	27	.....	.....	2	7	2	245	239	14	11
12	Wasson Coal Co., No. 2.....	Carriers Mills.....	1	.....	25	150	16	.....	.....	2	8	1	191	190	14	12
13	Harrisburg Big Muddy Coal Co., No. 12.....	do.....	2	13	18	120	20	.....	.....	2	4	4	203	200	14	13
14	O'Gara Coal Co., No. 4.....	do.....	2	12	12	115	12	.....	.....	1	4	2	182	167	15	14
15	O'Gara Coal Co., No. 3.....	do.....	2	11	18	115	16	.....	.....	2	7	5	206	203	15	15
16	Harrisburg Big Muddy Coal Co., No. 14.....	do.....	2	12	12	129	12	.....	.....	1	4	1	218	203	17	16
17	Harrisburg Col. Co.....	Hareop.....	6	38	25	64	19	.....	.....	8	13	5	173	171	73	17
18	Durham Coal Co., No. 1.....	Galatia.....	2	6	.....	.....	.....	50	2	1	2	1	178	178	64	18
	Total.....		51	322	388	2,872	430	83	12	61	145	59	4,423	4,383	362	

WHITE COUNTY—ELEVENTH DISTRICT.																		
1 White County Mining & Power Co.																		
The district.....																		
NORRIS CITY.....																		
1	8	19	48	8	.....	97	260	560	1	2	.....	87	8	95	76	19	1
121	608	1,501	8,377	1,232	462	.....	.....	.....	.....	.....	.....	260	13,481	2,034	15,515	13,811	1,704
WILLIAMSON COUNTY—TWELFTH DISTRICT.																		
1	W. P. Rend Coal & Coke Co., No. 2.....	Herrin.....	40	375	50	4	10	15	6	75	604	.....	.....	604	514	90	1
2	Johnston City Coal Co., No. 1.....	Johnston City.....	25	160	32	160	4	12	15	13	431	42	473	473	438	35	2	
3	Peabody Coal Co., No. 3.....	Marion.....	20	300	42	75	4	6	15	14	522	78	600	622	522	78	3	
4	Madison Coal Corporation, No. 9.....	Dewaine.....	25	70	10	214	8	12	16	5	382	83	465	414	51	4	1	
5	Chicago & Carterville Coal Co., A.....	Herrin.....	29	47	220	72	15	12	11	4	412	47	459	393	66	5	6	
6	Big Muddy Coal & Iron Co., No. 8.....	Clifford.....	25	15	250	81	.....	14	13	3	409	55	464	397	67	6	1
7	Madison Coal Corporation, No. 8.....	Dewaine.....	21	13	36	10	190	6	10	14	4	328	67	395	349	46	7	
8	Big Muddy Coal & Iron Co., No. 7.....	Herrin.....	22	3	.....	.....	295	6	3	12	5	355	80	435	383	42	8
9	Sears Coal Co., McC.....	Johnston City.....	22	30	280	34	.....	4	6	9	9	337	43	380	425	383	40
10	Consolidated Coal Co., L. C.....	.....do.....	22	30	280	34	.....	4	6	9	9	337	43	380	425	383	40
11	T. G. Warden Coal Co.....	Herrin.....	17	10	.....	.....	280	4	8	8	8	276	50	326	276	355	25
12	Western Coal & Mining Co., No. 1.....	Herrin.....	18	8	135	52	35	2	8	8	194	32	226	206	206	20	12	
13	Chicago & Big Muddy Coal & Coke Co., No. 1.....	Bush.....	16	16	.....	.....	130	4	3	6	2	162	33	195	167	25	13
14	Taylor Mining Co., No. 2.....	Marion.....	10	12	111	11	.....	2	3	6	2	206	30	236	206	30	14
15	West Virginia Coal Co., No. 1.....	Herrin.....	12	14	160	20	.....	2	4	4	220	10	230	216	14	15	1
16	Chicago & Carterville Coal Co., B.....	Marion.....	17	20	112	38	225	4	10	8	286	46	332	306	26	16	1	
17	Scranton & Big Muddy Coal Mining Co.....	Marion.....	19	6	90	18	60	2	4	4	191	13	204	181	23	17	1	
18	Big Muddy Coal Co., N. V.....	Johnston City.....	12	10	99	28	.....	2	8	5	237	51	288	232	24	18	1
19	Pond Creek Coal Co., No. 3.....	Herrin.....	18	20	.....	.....	200	2	4	3	251	21	272	248	24	20	1
20	Haer Washed Coal Co., No. 3.....	Carterville.....	16	20	.....	.....	160	2	4	6	179	17	198	189	18	21	1
21	Prairie Bros., def.....	Herrin.....	14	7	.....	.....	113	2	2	3	117	21	106	179	17	22	1
22	Taylor Mining Co., No. 1.....	.....do.....	15	7	.....	.....	113	2	2	3	117	21	108	151	17	23	1
23	Duneau Coal Co., Dale.....	Johnston City.....	12	8	.....	.....	115	2	2	4	135	20	215	192	13	25	1
24	Williamson County Coal Co., No. 1.....	.....do.....	11	10	.....	.....	150	2	3	6	198	12	129	104	16	25	1
25	Ernest Coal Co., No. 1.....	Herrin.....	5	7	70	6	.....	2	3	3	188	31	219	190	26	27	1
26	Taylor Mining Co., No. 3.....	.....do.....	11	8	.....	.....	152	2	3	7	33	39	39	39	28	28	1
27	Carterville Big Muddy Coal Co.....	Cambria.....	6	2	.....	.....	154	2	3	7	33	39	39	39	28	28	1
28	New Enterprise Coal Co.....	Marion.....	11	2	.....	.....	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
29	Federal Coal Co., No. 25.....	Cartville.....	11	.....	.....	.....	132	4	1	3	182	48	230	204	27	29	1
30	Johnston City Washed Coal Co.....	Whiteash.....	12	40	2	2	4	3	134	69	203	176	27	30	1
31	Ridge Coal Mining Co., No. 2.....	Marion.....	5	3	.....	.....	40	2	2	2	56	14	70	60	10	31	1
32	Marion & Pittsburg Coal Co., No. 2.....	Pittsburg.....	5	6	30	8	.....	2	2	1	56	12	68	58	10	32	1
33	Henderson-Wallace Coal Co., H. H.....	Marion.....	2	2	21	4	.....	2	1	.....	34	5	39	34	3	33	1
34	Lewis Coal Co.....	.....do.....	2	2	.....	.....	6	.....	.....	.....	10	.....	.....	10	7	3	1
35	E. Lewis Coal Co.....	.....do.....	2	2	.....	.....	3	.....	.....	.....	9	.....	.....	9	.....	.....	1
.....	Total.....	.....	506	384	2,591	540	3,292	498	181	231	210	8,008	1,113	9,241	8,208	1,033	.....

Table 23 is a recapitulation of the preceding table by districts.

TABLE 23—CLASSIFICATION OF EMPLOYEES BY DISTRICTS—SHIPPING MINES.

District.	Number of employees in each occupation.								Total classi- fied.	Num- ber not classi- fied.	Total num- ber of em- ployees	Number of employees—		Number of district.
	Cagers.	Driv- ers.	Labor- ers.	Load- ers.	Ma- chine- men.	Miners.	Shot- firs.	Timber- men.	Track- men.	Trap- pers.		Under ground.	Above the surface.	
First.....	29	175	185	41	6	1,781	2	37	25	34	2,317	2,279	289	1
Second.....	17	219	210	209	39	1,788	7	30	28	70	2,608	2,621	227	2
Third.....	41	270	187	288	62	2,984	27	54	72	52	4,037	4,126	385	3
Fourth.....	33	212	149	477	74	1,485	34	41	60	41	2,597	2,635	245	4
Fifth.....	52	314	686	1,593	212	2,512	29	168	158	94	5,848	6,006	564	5
Sixth.....	78	521	397	590	102	4,658	81	137	163	121	6,848	7,578	610	6
Seventh.....	54	374	882	4,134	692	1,085	18	214	373	117	7,883	8,183	755	7
Eighth.....	78	388	385	3,098	496	1,091	38	146	210	134	6,034	6,769	604	8
Ninth.....	93	363	325	1,609	295	1,865	60	36	138	32	4,816	5,227	434	9
Tenth.....	65	313	377	4,519	276	2,008	55	85	159	86	4,943	4,733	485	10
Eleventh.....	124	608	1,501	8,377	1,232	3,462	97	260	560	260	13,481	13,811	1,704	11
Twelfth.....	89	506	381	2,594	549	3,262	98	184	231	210	8,098	8,206	1,035	12
The State.....	753	4,263	5,660	24,529	3,957	24,951	546	1,422	2,178	1,251	69,516	70,719	7,337	

RELATIVE RANK OF COUNTIES.

Table 24. The rank of those counties producing 1,000,000 tons or more of coal the past year and their relative rank and production each year for the four preceding years, is given in this table.

TABLE 24—RELATIVE RANK OF COUNTIES PRODUCING 1,000,000 TONS OF COAL OR MORE FOR 5 YEARS—1913-1917.

County.	1917		1916		1915		1914		1913	
	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.	Rank.	Tons.
Franklin.....	1	11,317,657	1	9,070,811	1	7,324,644	2	6,595,799	3	5,232,526
Williamson.....	2	9,666,302	2	7,904,528	2	7,216,188	1	7,710,740	1	7,909,110
Sangamon.....	3	6,948,648	4	4,869,981	3	5,488,618	3	5,804,239	2	5,789,416
Macoupin.....	4	6,590,825	3	5,259,866	4	4,849,352	4	4,987,281	4	5,208,682
St. Clair.....	5	5,755,650	7	3,181,775	7	3,012,693	5	4,116,771	5	4,740,212
Madison.....	6	5,044,261	6	3,768,430	6	3,437,469	7	3,678,509	7	3,890,639
Saline.....	7	4,530,903	5	4,502,801	5	3,863,030	6	3,875,511	6	4,519,936
Montgomery.....	8	3,641,676	8	3,123,882	8	2,719,138	9	2,578,680	10	2,418,329
Vermilion.....	9	3,299,419	9	2,608,815	10	2,061,535	8	2,983,591	8	3,510,661
Christian.....	10	2,822,167	11	2,373,362	12	2,020,675	14	1,412,246	14	1,481,737
Fulton.....	11	2,739,185	12	2,036,781	11	2,035,221	10	2,302,806	9	2,533,079
Perry.....	12	2,477,561	10	2,509,016	9	2,173,834	11	2,052,148	12	1,643,043
Peoria.....	13	1,553,455	14	1,319,551	16	1,100,749	16	1,167,006	15	1,244,924
Clinton.....	14	1,426,594	13	1,395,588	15	1,142,264	17	1,109,162	17	1,036,303
Bureau.....	15	1,390,552	15	1,298,582	14	1,236,873	12	1,467,022	11	1,798,436
Randolph.....	16	1,162,468	.....	.....	.....	.....	.....	.....	.....	.....
LaSalle.....	17	1,134,584	16	1,170,200	13	1,273,998	13	1,456,780	13	1,602,966
Marion.....	18	1,088,619	.....	.....	.....	.....	15	1,188,551	16	1,203,947

COAL PRODUCING COUNTIES.

Table 25 is a list of the coal producing counties showing the number of mines, employees and tonnage of each.

TABLE 25—COAL PRODUCING COUNTIES OF THE STATE, SHOWING NUMBER OF DISTRICT, MINES, MEN AND TONS, ALL MINES, SHIPPING MINES, LOCAL MINES.

County.	District.	All mines.			Shipping mines.			Local mines.		
		Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Bond.....	8	1	129	107,895	1	129	107,895	.....	.....	.....
Bureau.....	2	10	2,537	1,390,552	5	2,514	1,383,175	5	23	7,377
Cass.....	4	1	3	1,500	.....	.....	.....	1	3	1,500
Christian.....	5	9	2,750	2,822,167	9	2,750	2,822,167	.....	.....	.....
Clinton.....	8	5	1,401	1,426,594	5	1,401	1,426,594	.....	.....	.....
Franklin.....	11	21	10,511	11,317,657	21	10,511	11,317,657	.....	.....	.....
Fulton.....	4	93	3,208	2,739,185	19	2,880	2,548,722	74	328	190,463
Gallatin.....	11	11	195	125,366	2	164	116,145	9	31	9,221
Greene.....	7	9	37	6,604	.....	.....	.....	9	37	6,604
Grundy.....	1	3	709	408,064	2	703	406,264	1	6	1,800
Hancock.....	4	2	8	3,965	.....	.....	.....	2	8	3,965
Henry.....	2	12	93	45,951	.....	.....	.....	12	93	45,951
Jackson.....	10	18	1,025	818,571	6	977	798,080	12	48	20,491
Jersey.....	7	1	4	1,320	.....	.....	.....	1	4	1,320
Johnson.....	12	3	12	17,823	.....	.....	.....	3	12	17,823
Knox.....	2	21	82	38,940	.....	.....	.....	21	82	38,940
LaSalle.....	1	37	2,019	1,134,584	9	1,617	885,774	28	402	248,810
Livingston.....	1	10	221	151,796	2	98	65,398	8	123	86,398
Logan.....	6	3	673	596,511	3	673	596,511	.....	.....	.....
Macon.....	5	3	462	259,004	3	462	259,004	.....	.....	.....

TABLE 25—Concluded.

County.	District.	All mines.			Shipping mines.			Local mines.		
		Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Macoupin.....	7	15	5,384	6,590,825	12	5,362	6,578,833	3	22	11,992
Madison.....	8	26	4,246	5,044,261	15	4,194	5,012,787	11	52	31,474
Marion.....	8	4	1,045	1,088,619	4	1,045	1,088,619	.....	.....	.....
Marshall.....	3	15	989	472,690	3	958	466,184	12	31	6,506
McDonough.....	4	48	111	17,606	.....	.....	.....	48	111	17,606
McLean.....	6	2	166	89,412	2	166	89,412	.....	.....	.....
Menard.....	3	9	242	197,283	1	157	155,878	8	85	41,405
Mercer.....	2	13	381	264,452	3	315	237,292	10	66	27,160
Montgomery.....	7	9	3,576	3,641,676	9	3,576	3,641,676	.....	.....	.....
Morgan.....	4	2	6	1,000	.....	.....	.....	2	6	1,000
Moultrie.....	5	1	200	239,818	.....	200	239,818	.....	.....	.....
Peoria.....	3	60	1,700	1,553,455	11	1,404	1,352,321	49	296	201,134
Perry.....	10	19	2,551	2,477,561	11	2,502	2,450,336	8	49	27,225
Putnam.....	3	2	1,177	712,535	2	1,177	712,535	.....	.....	.....
Randolph.....	10	16	1,275	1,162,468	9	1,227	1,133,134	7	48	29,334
Rock Island.....	2	10	99	57,727	.....	.....	.....	10	99	57,727
Saline.....	11	39	4,817	4,530,903	18	4,745	4,496,034	21	72	34,809
Sangamon.....	6	29	6,762	6,948,648	26	6,739	6,938,083	3	23	10,565
Schuyler.....	4	32	88	24,154	.....	.....	.....	32	88	24,154
Scott.....	4	7	18	2,940	.....	.....	.....	7	18	2,940
Shelby.....	5	6	215	95,682	2	179	89,032	4	36	6,650
Stark.....	2	10	66	18,257	1	19	7,552	9	47	10,705
St. Clair.....	9	63	5,360	5,755,650	47	5,227	5,652,416	16	133	103,234
Tazewell.....	3	9	519	455,880	5	483	430,340	4	36	25,540
Vermilion.....	5	33	3,232	3,299,419	13	3,039	3,137,051	20	193	162,368
Warren.....	2	5	23	7,941	.....	.....	.....	5	23	7,941
Washington.....	10	4	650	759,999	3	645	756,950	1	5	3,049
White.....	11	1	95	105,645	1	95	105,645	.....	.....	.....
Will.....	1	2	195	85,072	1	150	70,462	1	45	14,610
Williamson.....	12	44	9,294	9,666,302	35	9,241	9,634,680	9	53	31,622
Woodford.....	3	2	332	201,598	2	332	201,598	.....	.....	.....
Total.....	.....	810	80,893	78,983,527	324	78,056	77,412,054	486	2,837	1,571,473

DISPOSITION OF OUTPUT.

Table 26 gives the disposition of the tonnage by counties and districts, for the shipping mines and by districts for the local mines.

TABLE 26—SHIPPING OR COMMERCIAL COLLIERIES—DISTRIBUTION OF OUTPUT BY COUNTIES AND DISTRICTS, ALSO LOCAL MINES BY DISTRICTS.

County and district.	Number of mines.	Total output—all grades—tons.	Disposition of output—				
			Loaded on cars for shipment.	Supplied to locomotives at mines.	Sold to railroad companies.	Sold to local trade.	Consumed and wasted at the mines.
FIRST DISTRICT.							
Grundy.....	2	406,264	349,530	.....	26,274	16,853	13,607
LaSalle.....	9	885,774	469,594	28,512	258,225	87,076	42,367
Livingston.....	2	65,398	23,408	16,722	.....	22,804	2,464
Will.....	1	70,462	62,702	.....	.....	4,160	3,600
Shipping mines.....	14	1,427,898	905,234	45,234	284,499	130,893	62,038
Local mines.....	38	351,618	.....	.....	.....	132,404	219,214
The district.....	52	1,779,516	905,234	45,234	284,499	263,297	281,252

TABLE 26—Continued.

County and district.	Number of mines.	Total output— all grades— —tons.	Disposition of output—				
			Loaded on cars for shipment.	Supplied to locomotives, at mines.	Sold to railroad companies.	Sold to local trade.	Consumed and wasted at the mines.
SECOND DISTRICT.							
Bureau.....	5	1,383,175	611,021	35,369	643,967	36,076	56,742
Mercer.....	3	237,292	81,224	458	142,124	1,792	11,694
Stark.....	1	7,552	3,327	.....	.....	3,475	750
Shipping mines.....	9	1,628,019	695,572	35,827	786,091	41,343	69,186
Local mines.....	72	195,801	.....	.....	.....	187,927	7,874
The district.....	81	1,823,820	695,572	35,827	786,091	229,270	77,060
THIRD DISTRICT.							
Marshall.....	3	466,184	175,856	74,189	172,073	19,612	24,454
Menard.....	1	155,878	99,547	.....	46,950	6,270	3,111
Peoria.....	11	1,352,321	1,126,864	.....	208,130	2,835	14,492
Putnam.....	2	712,535	540,773	3,340	127,033	15,690	25,699
Tazewell.....	5	430,340	343,954	.....	38,934	41,849	5,603
Woodford.....	2	201,598	90,911	9,795	71,633	18,329	10,930
Shipping mines.....	24	3,318,856	2,377,905	87,324	664,753	104,585	84,289
Local mines.....	73	274,585	.....	.....	.....	258,545	16,040
The district.....	97	3,593,441	2,377,905	87,324	664,753	363,130	100,329
FOURTH DISTRICT.							
Fulton.....	19	2,548,722	1,758,112	12,677	687,482	13,039	77,412
Shipping mines.....	19	2,548,722	1,758,112	12,677	687,482	13,039	77,412
Local mines.....	166	241,628	.....	.....	.....	237,784	3,844
The district.....	185	2,790,350	1,758,112	12,677	687,482	250,823	81,256
FIFTH DISTRICT.							
Christian.....	9	2,822,167	2,070,510	27,624	549,487	96,608	77,938
Macon.....	3	259,004	95,427	.....	.....	150,147	13,430
Moultrie.....	1	239,818	224,517	.....	.....	6,183	9,118
Shelby.....	2	89,032	69,596	.....	.....	11,627	7,809
Vermilion.....	13	3,137,051	2,177,762	1,020	876,580	33,873	47,816
Shipping mines.....	28	6,547,072	4,637,812	28,644	1,426,067	298,438	156,111
Local mines.....	24	169,018	.....	.....	.....	167,298	1,720
The district.....	52	6,716,090	4,637,812	28,644	1,426,067	465,736	157,831
SIXTH DISTRICT.							
Logan.....	3	596,511	475,238	23,668	.....	70,233	27,372
McLean.....	2	89,412	12,313	10,565	.....	56,930	9,604
Sangamon.....	26	6,938,083	4,145,708	4,441	2,345,030	286,276	156,628
Shipping mines.....	31	7,624,006	4,633,259	38,674	2,345,030	413,439	193,604
Local mines.....	3	10,565	.....	.....	.....	10,265	300
The district.....	34	7,634,571	4,633,259	38,674	2,345,030	423,704	193,904
SEVENTH DISTRICT.							
Macoupin.....	12	6,578,833	697,662	19,350	5,606,236	53,729	201,856
Montgomery.....	9	3,641,676	2,619,457	25	913,749	30,219	78,226
Shipping mines.....	21	10,220,059	3,317,119	19,375	6,519,985	83,948	280,082
Local mines.....	13	19,916	.....	.....	.....	19,870	46
The district.....	34	10,240,425	3,317,119	19,375	6,519,985	103,818	280,128

TABLE 26—Concluded.

County and district.	Number of mines.	Total output— all grades— —tons.	Disposition of output—				
			Loaded on cars for ship- ment.	Supplied to locomotives. at mines.	Sold to railroad companies.	Sold to local trade.	Consumed and wasted at the mines.
EIGHTH DISTRICT.							
Bond.....	1	107,895	79,882	.....	20,000	4,013	4,000
Clinton.....	5	1,426,594	1,062,925	61,681	224,092	18,545	59,351
Madison.....	15	5,012,787	4,442,262	13,793	373,782	79,483	103,467
Marion.....	4	1,088,619	763,254	.....	285,759	13,953	25,653
Shipping mines.....	25	7,635,895	6,348,323	75,474	903,533	115,994	192,471
Local mines.....	11	31,474	.....	.....	.....	23,564	7,910
The district.....	36	7,667,369	6,348,323	75,474	903,633	139,558	100,381
NINTH DISTRICT.							
St. Clair.....	47	5,652,416	4,739,783	98,761	538,895	112,439	162,538
Shipping mines.....	47	5,652,416	4,739,783	98,761	538,895	112,439	162,538
Local mines.....	16	103,234	.....	.....	.....	98,246	4,988
The district.....	63	5,755,650	4,739,783	98,761	538,895	210,685	167,526
TENTH DISTRICT.							
Jackson.....	6	798,080	628,492	44,584	18,513	55,363	51,128
Perry.....	11	2,450,336	1,585,612	70,505	695,842	27,112	71,265
Randolph.....	9	1,133,134	718,870	.....	382,826	5,176	26,262
Washington.....	3	756,950	717,851	10,500	.....	10,380	18,219
Shipping mines.....	29	5,138,500	3,650,825	125,589	1,097,181	98,031	166,874
Local mines.....	28	80,099	.....	.....	.....	76,400	3,699
The district.....	57	5,218,599	3,650,825	125,589	1,097,181	174,431	170,573
ELEVENTH DISTRICT.							
Franklin.....	21	11,317,657	9,907,951	1,091	991,643	70,273	346,699
Gallatin.....	2	116,145	111,265	1,208	.....	672	3,000
Saline.....	18	4,496,034	4,054,925	4,698	291,461	42,332	102,618
White.....	1	105,645	51,394	3,196	40,215	7,644	3,196
Shipping mines.....	42	16,035,481	14,125,535	10,193	1,323,319	120,921	455,513
Local mines.....	30	44,090	.....	.....	.....	43,488	602
The district.....	72	16,079,571	14,125,535	10,193	1,323,319	164,409	456,115
TWELFTH DISTRICT.							
Williamson.....	35	9,634,680	5,926,349	50,116	3,229,484	44,146	384,585
Shipping mines.....	.....	9,634,680	5,926,349	50,116	3,229,484	44,146	384,585
Local mines.....	12	49,445	.....	.....	.....	49,149	296
The district.....	47	9,684,125	5,926,349	50,116	3,229,484	93,295	384,881
THE STATE.							
Shipping mines.....	324	77,412,054	53,115,828	627,888	19,806,419	1,577,216	2,284,703
Local mines.....	486	1,571,473	.....	.....	.....	1,304,940	266,533
Total.....	810	78,983,527	53,115,828	627,888	19,806,419	2,882,156	2,551,236

Table 27 shows by districts the disposition of the output of shipping mines.

TABLE 27—DISPOSITION OF THE OUTPUT OF SHIPPING MINES, BY DISTRICTS.

District.	Number of mines.	Total output— all grades —tons.	Disposition of output—				
			Shipped from the mines.	Supplied to locomotives at the mines.	Sold to railroad companies.	Sold to local trade.	Consumed and wasted at the mine.
First.....	14	1,427,808	905,234	45,234	284,499	130,893	62,038
Second.....	9	1,628,019	695,572	35,827	786,091	41,343	69,186
Third.....	24	3,318,856	2,377,905	87,324	664,753	104,585	84,289
Fourth.....	19	2,548,722	1,758,112	12,677	687,482	13,039	77,412
Fifth.....	28	6,547,072	4,637,812	28,644	1,426,067	298,438	156,111
Sixth.....	31	7,624,006	4,633,259	38,674	2,345,030	413,439	193,604
Seventh.....	21	10,220,509	3,317,119	19,375	6,519,985	83,948	280,082
Eighth.....	25	7,635,895	6,348,323	75,474	903,633	115,994	192,471
Ninth.....	47	5,652,416	4,739,783	98,761	538,895	112,439	162,538
Tenth.....	29	5,138,500	3,650,825	125,589	1,097,181	98,031	166,874
Eleventh.....	42	16,035,481	14,125,535	10,193	1,323,319	120,921	455,513
Twelfth.....	35	9,634,680	5,926,349	50,116	3,229,484	44,146	384,585
The State, 1917....	324	77,412,054	53,115,828	627,888	19,806,419	1,577,216	2,284,703
The State, 1916.....	284	62,283,236	44,154,419	618,907	14,447,497	1,165,546	1,896,867
Gain.....	40	15,128,818	8,961,409	8,981	5,358,922	411,670	387,836

RAILROADS.

Table 28 shows the railroads on which coal was hauled to market, the name of the counties, tons hauled and used on locomotives.

TABLE 28—RAILROADS WHICH TRANSPORTED THE COAL, NUMBER OF TONS HAULED BY EACH AND USED ON LOCOMOTIVES, AND THE COUNTIES CONTRIBUTING THE SAME.

No.	Railroad and county.	Number of—		Tons received by each road for—	
		Counties.	Mines.	Shipment.	Locomotives.
	The State.....	38	324	53,115,828	627,888
1	Illinois Central.....	21	89	10,019,978	195,100
	Franklin.....		10	2,490,046	1,061
	Williamson.....		17	1,764,695	
	Perry.....		8	1,476,048	64,608
	St. Clair.....		17	762,044	30,658
	Marion.....		3	558,522	
	Washington.....		2	487,131	
	Jackson.....		3	440,684	44,584
	Christian.....		3	372,152	
	Madison.....		1	369,123	
	Logan.....		3	301,838	23,668
	Randolph.....		4	230,977	
	Macoupin.....		1	166,036	15,258
	LaSalle.....		4	163,931	
	Sangamon.....		4	163,633	
	Marshall.....		1	73,728	
	Shelby.....		1	66,085	
	Macon.....		2	48,584	
	Woodford.....		1	41,953	
	Saline.....		1	26,060	4,698
	McLean.....		2	9,873	10,565
	Livingston.....		1	6,835	

TABLE 28—Continued.

No.	Railroad and county.	Number of—		Tons received by each road for—	
		Counties.	Mines.	Shipment.	Locomotives.
2	Chicago, Burlington & Quincy.....	11	51	9,802,244	6,747
	Franklin.....		15	5,630,508	30
	Williamson.....		11	1,807,259	
	Fulton.....		13	1,260,973	1,232
	Washington.....		1	214,620	
	Macoupin.....		3	211,985	
	Marion.....		1	204,732	
	Peoria.....		2	184,147	
	Sangamon.....		1	158,346	
	LaSalle.....		2	99,803	
	Bureau.....		1	26,544	
	Stark.....		1	3,327	
3	Cleveland, Chicago, Cincinnati & St. Louis.....	10	37	6,558,845	23,935
	Saline.....		17	3,987,948	
	Montgomery.....		7	1,195,353	
	Madison.....		2	556,260	
	St. Clair.....		1	393,855	
	Vermilion.....		3	330,447	
	Tazewell.....		2	53,976	
	Christian.....		2	19,911	23,935
	Macon.....		1	17,901	
	Shelby.....		1	2,754	
	McLean.....		1	440	
4	Chicago & Eastern Illinois.....	6	33	5,092,522	1,020
	Vermilion.....		8	1,525,770	1,020
	Franklin.....		9	1,325,130	
	Montgomery.....		7	1,043,567	
	Williamson.....		7	728,357	
	Madison.....		1	369,803	
	Christian.....		1	99,895	
5	Chicago & Alton.....	8	26	2,442,291	4,092
	Sangamon.....		13	1,929,768	
	Macoupin.....		5	234,218	4,092
	Logan.....		2	173,400	
	Marshall.....		2	80,094	
	Livingston.....		1	11,202	
	Grundy.....		1	7,838	
	LaSalle.....		1	4,251	
	McLean.....		1	1,520	
6	St. Louis, Iron Mountain & Southern.....	3	23	2,083,870	50,000
	Williamson.....		18	1,580,074	50,000
	Franklin.....		4	462,267	
	Jackson.....		1	41,529	
7	St. Louis, Troy & Eastern.....	1	3	1,630,632	1,625
	Madison.....		3	1,630,632	1,625
8	Chicago & Illinois Midland.....	2	7	1,561,725	8,130
	Christian.....		3	1,289,347	3,689
	Sangamon.....		4	272,378	4,441
9	Baltimore & Ohio Southwestern.....	6	17	1,384,328	64,877
	Clinton.....		4	597,553	61,681
	Sangamon.....		4	409,015	
	St. Clair.....		4	300,100	
	White.....		1	51,394	3,196
	Christian.....		3	25,509	
	Shelby.....		1	757	

TABLE 28—Continued.

No.	Railroad and county.	Number of—		Tons received by each road for—	
		Counties.	Mines.	Shipment.	Locomotives.
10	Wabash.....	7	20	1,215,220	.....
	Sangamon.....		7	550,418	.....
	Christian.....		2	263,696	.....
	Moultrie.....		1	224,517	.....
	Madison.....		4	90,178	.....
	Vermilion.....		2	64,665	.....
	Macon.....		3	21,504	.....
	Livingston.....		1	232	.....
11	Chicago, Milwaukee & St. Paul.....	3	8	1,197,505	15,700
	Bureau.....		4	574,107	11,194
	Putnam.....		2	540,773	3,340
	LaSalle.....		2	82,625	1,166
12	Southern.....	2	5	1,194,106	545
	St. Clair.....		4	728,734	545
	Clinton.....		1	465,372	.....
13	Louisville & Nashville.....	4	16	1,036,200	65,926
	St. Clair.....		12	867,918	54,218
	Gallatin.....		2	111,265	1,208
	Saline.....		1	40,917	.....
	Washington.....		1	16,100	10,500
14	Litchfield & Madison.....	1	5	1,030,025	6,742
	Madison.....		5	1,030,025	6,742
15	St. Louis & O'Fallon.....	1	2	988,793	11,272
	St. Clair.....		2	988,793	11,272
16	Minneapolis & St. Paul.....	2	7	638,629	.....
	Fulton.....		5	416,069	.....
	Peoria.....		2	222,560	.....
17	Chicago, Peoria & St. Louis.....	2	9	554,666	.....
	Sangamon.....		8	455,119	.....
	Menard.....		1	99,547	.....
18	Peoria & Pekin Union.....	2	4	448,424	.....
	Peoria.....		3	230,933	.....
	Tazewell.....		1	217,491	.....
19	Vandalia.....	3	3	430,710	.....
	Madison.....		1	350,570	.....
	Bond.....		1	79,880	.....
	Macon.....		1	260	.....
20	Mobile & Ohio.....	3	7	422,964	1,320
	Randolph.....		4	225,438	.....
	Jackson.....		2	146,279	.....
	St. Clair.....		1	51,247	1,320
21	Elgin, Joliet & Eastern.....	2	3	391,631	.....
	Grundy.....		2	328,929	.....
	Will.....		1	62,702	.....
22	Toledo, St. Louis & Western.....	2	4	381,411	5,451
	Montgomery.....		2	380,537	25
	Madison.....		2	874	5,426

TABLE 28—Continued.

No.	Railroad and county.	Number of—		Tons received by each road for—	
		Counties.	Mines.	Shipment.	Locomotives.
23	St. Louis & Belleville.....	1	3	379,770	.....
	St. Clair.....	.....	3	379,770	.....
24	Illinois Traction System.....	4	16	354,110	.....
	Vermilion.....	.....	8	155,580	.....
	Sangamon.....	.....	6	145,740	.....
	Madison.....	.....	1	44,790	.....
	Tazewell.....	.....	1	8,000	.....
25	Peoria Railway Terminal.....	1	3	351,184	.....
	Peoria.....	.....	3	351,184	.....
26	Illinois Southern.....	2	4	309,635	.....
	Randolph.....	.....	3	262,455	.....
	Perry.....	.....	1	47,180	.....
27	East St. Louis & Suburban.....	1	2	267,322	748
	St. Clair.....	.....	2	267,322	748
28	Toledo, Peoria & Western.....	3	4	198,727	28,167
	Peoria.....	.....	2	112,518	.....
	Fulton.....	.....	1	81,070	11,445
	Livingston.....	.....	1	5,139	16,722
29	Chicago & Northwestern.....	3	6	157,083	24,175
	Macoupin.....	.....	3	85,423	.....
	Sangamon.....	.....	2	61,291	.....
	Bureau.....	.....	1	10,369	24,175
30	Chicago, Rock Island & Pacific.....	3	6	138,973	27,815
	LaSalle.....	.....	4	118,984	27,346
	Marshall.....	.....	1	10,400	11
	Mercer.....	.....	1	9,589	458
31	Atchison, Topeka & Santa Fe.....	4	5	126,522	81,318
	Tazewell.....	.....	1	53,167	.....
	Woodford.....	.....	2	48,958	9,795
	Grundy.....	.....	1	12,763	.....
	Marshall.....	.....	1	11,634	71,523
32	New York Central.....	1	1	101,300	.....
	Vermilion.....	.....	1	101,300	.....
33	Rock Island & Southern.....	1	2	71,635	.....
	Mercer.....	.....	2	71,635	.....
34	Wabash, Chester & Western.....	1	2	62,384	5,897
	Perry.....	.....	2	62,384	5,897
35	Marion & Eastern.....	1	2	45,964	116
	Williamson.....	.....	2	45,964	116
36	Lake Erie & Western.....	2	2	11,800	.....
	Tazewell.....	.....	1	11,320	.....
	McLean.....	.....	1	480	.....

TABLE 28—Concluded.

No.	Railroad and county.	Number of—		Tons received by each road for—	
		Counties.	Mines.	Shipment.	Locomotives.
37	Cincinnati, Indianapolis & Western.....	1	2	7,178	.....
	Macon.....		2	7,178	.....
	By boat—Illinois River.....	1	1	25,522	.....
	Peoria.....		1	25,522	.....

Table 29 is a list of the roads hauling coal, with the per cent hauled by each road.

TABLE 29—RAILROADS WHICH HAVE RECEIVED THE COAL FOR SHIPMENT AND FOR USE ON LOCOMOTIVES, AND THE PER CENT CARRIED BY EACH ROAD.

No.	Railroad.	Number of		Tons received by each road for—		Per cent carried by each road.
		Counties.	Mines.	Shipment.	Locomotives.	
	The State.....	38	324	53,115,828	627,888	100.00
1	Illinois Central.....	21	89	10,019,978	195,100	18.86
2	Chicago, Burlington & Quincy.....	11	51	9,802,244	6,747	18.45
3	Cleveland, Cincinnati, Chicago & St. Louis.....	10	37	6,558,845	23,935	12.35
4	Chicago & Eastern Illinois.....	6	33	5,092,522	1,020	9.59
5	Chicago & Alton.....	8	26	2,442,291	4,092	4.60
6	St. Louis, Iron Mountain & Southern.....	3	23	2,083,870	50,000	3.92
7	St. Louis, Troy & Eastern.....	1	3	1,630,632	1,625	3.07
8	Chicago & Illinois Midland.....	2	7	1,561,725	8,130	2.94
9	Baltimore & Ohio Southwestern.....	6	17	1,384,328	64,877	2.61
10	Chicago, Milwaukee & St. Paul.....	3	8	1,197,505	15,700	2.25
11	Southern.....	2	5	1,194,106	545	2.25
12	Wabash.....	7	20	1,215,220	.....	2.29
13	Louisville & Nashville.....	4	16	1,036,200	65,926	1.95
14	Litchfield & Madison.....	1	5	1,030,025	6,742	1.94
15	St. Louis & O'Fallon.....	1	2	988,793	11,272	1.86
16	Minneapolis & St. Paul.....	2	7	638,629	.....	1.20
17	Chicago, Peoria & St. Louis.....	2	9	554,666	.....	1.04
18	Peoria & Pekin Union.....	2	4	448,424	.....	.84
19	Vandalia.....	3	3	430,710	.....	.81
20	Mobile & Ohio.....	3	7	422,964	1,320	.80
21	Elgin, Joliet & Eastern.....	2	3	391,631	.....	.74
22	Toledo, St. Louis & Western.....	2	4	381,411	5,451	.72
23	St. Louis & Belleville.....	1	3	379,770	.....	.72
24	Illinois Traction System.....	4	16	354,110	.....	.67
25	Peoria Ry. Terminal.....	1	3	351,184	.....	.66
26	Illinois Southern.....	2	4	309,635	.....	.58
27	East St. Louis & Suburban.....	1	2	267,322	748	.50
28	Toledo, Peoria & Western.....	3	4	198,727	28,167	.37
29	Chicago & Northwestern.....	3	6	157,083	24,175	.30
30	Chicago, Rock Island & Pacific.....	3	6	138,973	27,815	.26
31	Atchison, Topeka & Santa Fe.....	4	5	126,522	81,318	.24
32	New York Central.....	1	1	101,300	.....	.19
33	Rock Island Southern.....	1	2	71,635	.....	.14
34	Wabash, Chester & Western.....	1	2	62,384	5,897	.12
35	Marion & Eastern.....	1	2	45,964	116	.09
36	Lake Erie & Western.....	2	2	11,800	.....	.02
37	Cincinnati, Indianapolis & Western.....	1	2	7,178	.....	.01
	By Boat—Illinois River.....	1	1	25,522	.....	.05

Table 30 shows the counties producing the commercial coal, the name of the railroads serving it, the tonnage hauled by each road, and the number of mines contributing.

TABLE 30—COUNTIES WHICH HAVE PRODUCED THE COMMERCIAL COAL, THE TONNAGE DELIVERED TO THE SEVERAL RAILROADS FOR TRANSPORTATION AND FOR LOCOMOTIVES.

No.	County and railroad.	Number of—		Tons received by each road for—	
		Railroads.	Mines.	Shipment.	Locomotives.
	The State.....	37	324	\$53,115,828	627,888
1	Franklin.....	4	.....	9,907,951	1,091
	Chicago, Burlington & Quincy.....	.....	15	5,630,508	30
	Illinois Central.....	.....	16	2,490,046	1,061
	Chicago & Eastern Illinois.....	.....	9	1,325,130	.....
	St. Louis, Iron Mountain & Southern.....	.....	4	462,267	.....
2	Williamson.....	5	.....	5,926,349	50,116
	Chicago, Burlington & Quincy.....	.....	11	1,807,259	.....
	Illinois Central.....	.....	17	1,764,695	.....
	St. Louis, Iron Mountain & Southern.....	.....	18	1,580,074	50,000
	Chicago & Eastern Illinois.....	.....	7	728,357	.....
	Marion & Eastern.....	.....	2	45,964	116
3	St. Clair.....	9	.....	4,739,783	98,761
	East St. Louis & O'Fallon.....	.....	2	988,793	11,272
	Louisville & Nashville.....	.....	12	867,918	54,218
	Illinois Central.....	.....	17	762,044	30,658
	Southern.....	.....	4	728,734	545
	Cleveland, Cincinnati, Chicago & St. Louis..	.....	1	393,855	.....
	St. Louis & Belleville.....	.....	3	379,770	.....
	Baltimore & Ohio Southwestern.....	.....	4	300,100	.....
	East St. Louis & Suburban.....	.....	2	267,322	748
	Mobile & Ohio.....	.....	1	51,247	1,320
4	Madison.....	9	.....	4,442,262	13,793
	St. Louis, Troy & Eastern.....	.....	3	1,630,632	1,625
	Litchfield & Madison.....	.....	5	1,030,025	6,742
	Cleveland, Cincinnati, Chicago & St. Louis..	.....	2	556,260	.....
	Chicago & Eastern Illinois.....	.....	1	369,803	.....
	Illinois Central.....	.....	1	369,123	.....
	Vandalia.....	.....	1	350,577	.....
	Wabash.....	.....	4	90,178	.....
	Illinois Traction System.....	.....	1	44,790	.....
	Toledo, St. Louis & Western.....	.....	2	874	5,426
5	Sangamon.....	9	.....	4,145,708	4,441
	Chicago & Alton.....	.....	13	1,929,768	.....
	Wabash.....	.....	7	550,418	.....
	Chicago, Peoria & St. Louis.....	.....	8	455,119	.....
	Baltimore & Ohio Southwestern.....	.....	4	409,015	.....
	Chicago & Illinois Midland.....	.....	4	272,378	4,441
	Illinois Central.....	.....	4	163,633	.....
	Chicago, Burlington & Quincy.....	.....	1	158,346	.....
	Illinois Traction System.....	.....	6	145,740	.....
	Chicago & Northwestern.....	.....	2	61,291	.....
6	Saline.....	3	.....	4,054,925	4,698
	Cleveland, Cincinnati, Chicago & St. Louis..	.....	17	3,987,948	.....
	Louisville & Nashville.....	.....	1	40,917	.....
	Illinois Central.....	.....	1	26,060	4,698

TABLE 30—Continued.

No.	County and railroad.	Number of—		Tons received by each road for—	
		Railroads.	Mines.	Shipment.	Locomotives.
7	Montgomery.....	3	.....	2,619,457	25
	Cleveland, Cincinnati, Chicago & St. Louis.....		7	1,195,353	.....
	Chicago & Eastern Illinois.....		7	1,043,567	.....
	Toledo, St. Louis & Western.....		2	380,537	25
8	Vermillion.....	5	.....	2,177,762	1,020
	Chicago & Eastern Illinois.....		8	1,525,770	1,020
	Cleveland, Cincinnati, Chicago & St. Louis.....		3	330,447	.....
	Illinois Traction System.....		8	155,580	.....
	New York Central.....		1	101,300	.....
	Wabash.....		2	64,665	.....
9	Christian.....	6	.....	2,070,510	27,624
	Chicago & Illinois Midland.....		3	1,289,347	3,689
	Illinois Central.....		3	372,152	.....
	Wabash.....		2	263,696	.....
	Chicago & Eastern Illinois.....		1	99,885	.....
	Baltimore & Ohio Southwestern.....		3	25,509	.....
	Cleveland, Cincinnati, Chicago & St. Louis.....		2	19,911	23,935
10	Fulton.....	3	.....	1,758,112	12,677
	Chicago, Burlington & Quincy.....		13	1,260,973	1,232
	Minneapolis & St. Louis.....		5	416,089	.....
	Toledo, Peoria & Western.....		1	81,070	11,445
11	Perry.....	3	.....	1,585,612	70,505
	Illinois Central.....		8	1,476,048	64,608
	Wabash, Chester & Western.....		2	62,384	5,897
	Illinois Southern.....		1	47,180	.....
12	Peoria.....	5	.....	1,101,342	.....
	Peoria Terminal.....		3	351,184	.....
	Peoria & Pekin Union.....		3	230,933	.....
	Minneapolis & St. Paul.....		2	222,560	.....
	Chicago, Burlington & Quincy.....		2	184,147	.....
	Toledo, Peoria & Western.....		2	112,518	.....
13	Clinton.....	2	.....	1,062,925	61,681
	Baltimore & Ohio Southwestern.....		4	597,553	61,681
	Southern.....		1	465,372	.....
14	Marion.....	2	.....	763,254	.....
	Illinois Central.....		3	558,522	.....
	Chicago, Burlington & Quincy.....		1	204,732	.....
15	Randolph.....	3	.....	718,870	.....
	Illinois Southern.....		3	262,455	.....
	Illinois Central.....		4	230,977	.....
	Mobile & Ohio.....		4	225,438	.....
16	Washington.....	3	.....	717,851	.....
	Illinois Central.....		2	487,131	.....
	Chicago, Burlington & Quincy.....		1	214,620	.....
	Louisville & Nashville.....		1	16,100	10,500
17	Macoupin.....	4	.....	697,662	19,350
	Chicago & Alton.....		5	234,218	4,092
	Chicago, Burlington & Quincy.....		3	211,985	.....
	Illinois Central.....		1	166,036	15,258
	Chicago & Northwestern.....		3	85,423	.....

TABLE 30—Continued.

No.	County and railroad.	Number of—		Tons received by each road for—	
		Railroads.	Mines.	Shipment.	Locomotives.
18	Jackson.....	3	.....	628,492	44,584
	Illinois Central.....	.....	3	440,684	44,584
	Mobile & Ohio.....	.....	2	146,279	.....
	St. Louis, Iron Mountain & Southern.....	.....	1	41,529	.....
19	Bureau.....	3	.....	611,021	35,369
	Chicago, Milwaukee & St. Paul.....	.....	4	574,107	11,194
	Chicago, Burlington & Quincy.....	.....	1	26,543	.....
	Chicago & Northwestern.....	.....	1	10,369	24,175
20	Putnam.....	1	.....	540,773	3,340
	Chicago, Milwaukee & St. Paul.....	.....	2	540,773	3,340
21	Logan.....	2	.....	475,238	23,668
	Illinois Central.....	.....	3	301,838	23,668
	Chicago & Alton.....	.....	2	173,400	.....
22	LaSalle.....	5	.....	469,594	28,512
	Illinois Central.....	.....	4	163,931	.....
	Chicago, Rock Island & Pacific.....	.....	4	118,984	27,346
	Chicago, Burlington & Quincy.....	.....	2	99,803	.....
	Chicago, Milwaukee & St. Paul.....	.....	2	82,625	1,166
	Chicago & Alton.....	.....	1	4,251	.....
23	Grundy.....	3	.....	349,530	.....
	Elgin, Joliet & Eastern.....	.....	2	328,929	.....
	Atchison, Topeka & Santa Fe.....	.....	1	12,763	.....
	Chicago & Alton.....	.....	1	7,838	.....
24	Tazewell.....	5	.....	343,954	.....
	Peoria & Pekin Union.....	.....	1	217,491	.....
	Cleveland, Cincinnati, Chicago & St. Louis..	.....	2	53,976	.....
	Atchison, Topeka & Santa Fe.....	.....	1	53,167	.....
	Lake Erie & Western.....	.....	1	11,320	.....
	Illinois Traction System.....	.....	1	8,000	.....
25	Moultrie.....	1	.....	224,517	.....
	Wabash.....	.....	1	224,517	.....
26	Marshall.....	4	.....	175,856	74,189
	Chicago & Alton.....	.....	2	80,094	2,655
	Illinois Central.....	.....	1	73,728	.....
	Atchison, Topeka & Santa Fe.....	.....	1	11,634	71,523
	Chicago, Rock Island & Pacific.....	.....	1	10,400	11
27	Gallatin.....	1	.....	111,265	1,208
	Louisville & Nashville.....	.....	2	111,265	1,208
28	Menard.....	1	.....	99,547	.....
	Chicago, Peoria & St. Louis.....	.....	1	99,547	.....
29	Macon.....	5	.....	95,427	.....
	Illinois Central.....	.....	2	48,584	.....
	Wabash.....	.....	3	21,504	.....
	Cleveland, Cincinnati, Chicago & St. Louis..	.....	1	17,901	.....
	Chicago, Indiana & Western.....	.....	2	7,178	.....
	Vandalia.....	.....	1	260	.....

TABLE 30—Concluded.

No.	County and railroad.	Number of		Tons received by each road for—	
		Railroads.	Mines.	Shipment.	Locomotives.
30	Woodford.....	2	.....	90,911	9,795
	Atchison, Topeka & Santa Fe.....	.....	2	48,958	9,795
	Illinois Central.....	.....	1	41,953	.....
31	Mercer.....	2	.....	81,224	458
	Rock Island & Southern.....	.....	2	71,635	.....
	Chicago, Rock Island & Pacific.....	.....	1	9,589	458
32	Bond.....	1	.....	79,882	.....
	Vandalia.....	.....	1	79,882	.....
33	Shelby.....	3	.....	69,596	.....
	Illinois Central.....	.....	1	66,085	.....
	Cleveland, Cincinnati, Chicago & St. Louis.....	.....	1	2,754	.....
	Baltimore & Ohio Southwestern.....	.....	1	757	.....
34	Will.....	1	.....	62,702	.....
	Elgin, Joliet & Eastern.....	.....	1	62,702	.....
35	White.....	1	.....	51,394	.....
	Baltimore & Ohio Southwestern.....	.....	1	51,394	.....
36	Livingston.....	4	.....	23,408	16,722
	Chicago & Alton.....	.....	1	11,202	.....
	Illinois Central.....	.....	1	6,835	.....
	Toledo, Peoria & Western.....	.....	1	5,139	16,722
	Wabash.....	.....	1	232	.....
37	McLean.....	4	.....	12,313	10,565
	Illinois Central.....	.....	2	9,873	10,565
	Chicago & Alton.....	.....	1	1,520	.....
	Lake Erie & Western.....	.....	1	480	.....
	Cleveland, Cincinnati, Chicago & St. Louis.....	.....	1	440	.....
38	Stark.....	1	.....	3,327	.....
	Chicago, Burlington & Quincy.....	.....	1	3,327	.....

* Including 25,552 tons shipped by boat.

Table 31 is a list of the counties containing shipping mines and gives the tons shipped and supplied to locomotives, and the per cent of the total supplied by each county.

TABLE 31—COUNTIES CONTAINING SHIPPING MINES, TONS SHIPPED AND SUPPLIED TO LOCOMOTIVES, AND THE PER CENT FURNISHED BY EACH COUNTY FOR SHIPMENT.

County.	Number of—		Tons received by each road for—		Per cent shipped.
	Railroads.	Mines.	Shipment.	Locomotives.	
The State.....	37	324	*53,115,828	627,888	100.00
Franklin.....	4	21	9,907,951	1,091	18.66
Williamson.....	5	35	5,926,349	50,116	11.16
St. Clair.....	9	47	4,739,783	98,761	8.93
Madison.....	9	15	4,442,262	13,793	8.37
Sangamon.....	9	26	4,145,708	4,441	7.81
Saline.....	3	18	4,054,925	4,698	7.64
Montgomery.....	3	9	2,619,457	25	4.93
Vermilion.....	5	13	2,177,762	1,020	4.10
Christian.....	6	9	2,070,510	27,624	3.90
Fulton.....	3	19	1,758,112	12,677	3.31
Perry.....	3	11	1,585,612	70,505	2.99
Peoria.....	5	11	1,101,342	.....	2.07
Clinton.....	2	5	1,062,925	61,681	2.00
Marion.....	2	4	763,254	.....	1.44
Randolph.....	3	9	718,870	.....	1.35
Washington.....	3	3	717,851	10,500	1.35
Macoupin.....	4	12	697,662	19,350	1.31
Jackson.....	3	6	628,492	44,584	1.18
Bureau.....	3	5	611,021	35,369	1.16
Putnam.....	1	2	540,773	3,340	1.03
Logan.....	2	3	475,238	23,668	.90
LaSalle.....	5	9	469,594	28,512	.88
Grundy.....	3	2	349,530	.....	.66
Tazewell.....	5	5	343,954	.....	.65
Moultrie.....	1	1	224,517	.....	.42
Marshall.....	4	3	175,856	74,189	.33
Gallatin.....	1	2	111,265	1,208	.21
Menard.....	1	1	99,547	.....	.19
Macon.....	5	3	95,427	.....	.18
Woodford.....	2	2	90,911	9,795	.17
Mercer.....	2	3	81,224	458	.15
Bond.....	1	1	79,882	.....	.15
Shelby.....	3	2	69,596	.....	.13
Will.....	1	1	62,702	.....	.12
White.....	1	1	51,394	3,196	.10
Livingston.....	4	2	23,408	16,722	.04
McLean.....	4	2	12,313	10,565	.02
Stark.....	1	1	3,327	.....	.01

* Including 25,522 tons shipped by boat.

UNDERGROUND HAULAGE.

Table 32 shows the method of underground haulage in the shipping mines and the tons hauled by each method.

TABLE 32—HAULAGE OF COAL IN SHIPPING MINES, BY DISTRICTS.

Districts.	Motor.			Cable.		Mule.		Hand.	
	Number of mines.	Number of motors.	Tons.	Number of mines.	Tons.	Number of mines.	Tons.	Number of mines.	Tons.
First.....	3	6	438,657	.....	.....	11	989,241	.....	.....
Second.....	4	9	840,836	1	98,209	3	681,422	1	7,552
Third.....	10	27	1,805,295	1	27,619	13	1,485,942	.....	.....
Fourth.....	10	15	1,665,586	2	118,717	7	764,419	.....	.....

TABLE 32—Concluded.

Districts.	Motor.			Cable.		Mule.		Hand.	
	Number of mines.	Number of motors.	Tons.	Number of mines.	Tons.	Number of mines.	Tons.	Number of mines.	Tons.
Fifth.....	17	52	5,865,022			8	372,790		
Sixth.....	20	48	5,894,760	1	77,083	10	1,652,163		
Seventh.....	21	101	10,220,509						
Eighth.....	19	56	7,503,012			6	132,883		
Ninth.....	21	42	4,633,610			25	963,910		
Tenth.....	13	61	3,873,711			16	1,264,789		
Eleventh.....	36	249	15,673,877			6	361,604		
Twelfth.....	26	78	8,781,893			8	753,122		
The State, 1917.....	200	744	67,196,768	5	321,628	113	9,422,285	1	7,552
The State, 1916.....	176	648	53,140,005	7	675,235	98	8,123,624		
The State, 1915.....	173	602	47,239,554	7	320,062	92	7,947,497	6	502,645
The State, 1914.....	191	540	47,485,729	6	478,041	139	11,233,532	1	106,858
The State, 1913.....	185	467	46,194,737	13	1,173,528	168	13,014,153		
The State, 1912.....	165	381	37,958,050	4	400,970	210	17,707,993	1	29,682
The State, 1911.....	137	303	29,310,173	24	2,321,016	219	16,839,883	7	287,585
The State, 1910.....	106	229	23,204,480	25	2,508,343	251	21,243,637	8	268,741
The State, 1909.....	96	210	21,892,462	16	1,396,154	268	24,645,398	4	24,548
The State, 1908.....	88	185	19,024,665	32	3,273,753	283	25,482,634	4	28,678
The State, 1907.....	75	129	16,542,575	26	2,864,241	303	26,689,533	5	46,865

NOTE.—Five strip mines, three in the fifth, one in the ninth, one in the twelfth district are not included in this table. Tonnage, 463,821.

EARNINGS OF MINERS.

Table 33 gives the average price per ton paid for mining in hand and machine mines for the year by districts, and by years—1902-1917 inclusive.

TABLE 33—AVERAGE PRICE PAID FOR MINING BY HAND AND MACHINE IN SHIPPING AND LOCAL MINES, BY DISTRICTS, 1917-1902.

District and year.	Hand mining.				Machine mining.			
	Shipping mines.		Local mines.		Shipping mines.		Local mines.	
	Tons.	Average price per ton.	Tons.	Average price per ton.	Tons.	Average price per ton.	Tons.	Average price per ton.
First.....	1,403,406	\$0.962	283,557	\$0.866	24,492	\$0.76	3,522	*
Second.....	1,581,632	.924	153,178	1.082	46,387	.681	20,000	\$0.85
Third.....	2,954,321	.834	242,111	.941	362,118	.66	19,549	.52
Fourth.....	1,827,594	.731	229,381	1.074	721,218	.661		
Fifth.....	2,996,225	.674	142,837	.815	3,231,587	.58		
Sixth.....	6,220,707	.675	2,495	.668	1,403,299	.591		
Seventh.....	1,480,253	.661	9,068	1.286	8,740,256	.591	9,867	.591
Eighth.....	1,556,258	.65	19,683	.89	6,079,637	.586	11,568	.591
Ninth.....	2,647,863	.661	101,034	.719	3,004,553	.591		
Tenth.....	2,143,291	.634	53,347	.698	2,995,209	.568	1,594	.67
Eleventh.....	496,356	.621	43,995	.752	15,539,125	.551		
Twelfth.....	4,636,774	.621	35,845	.84	4,997,906	.551		
1917.....	29,944,590	\$0.705	1,316,531	\$0.916	47,145,787	\$0.568	66,100	\$0.655
1916.....	22,970,860	.767	1,332,474	.749	39,312,376	.524	57,820	.557
1915.....	22,216,182	.666	1,348,086	.745	33,956,374	.52	81,052	.599

TABLE 33—Concluded.

District and year.	Hand mining.				Machine mining.			
	Shipping mines.		Local mines.		Shipping mines.		Local mines.	
	Tons.	Average price per ton.	Tons.	Average price per ton.	Tons.	Average price per ton.	Tons.	Average price per ton.
1914.....	27,857,534	\$0.657	1,238,057	\$0.759	31,386,303	\$0.524	35,731	\$0.564
1913.....	30,487,196	.664	1,130,488	.802	30,028,170	.521	200,350	.54
1912.....	30,588,981	.636	1,375,240	.641	25,506,854	.496	43,205	.54
1911.....	28,760,398	.627	1,406,442	.783	19,998,259	.494	.....	.....
1910.....	29,048,947	.597	1,492,652	.756	18,176,254	.462	.....	.....
1909.....	31,556,456	.593	1,199,562	.763	16,402,106	.46	5,586	.467
1908.....	32,604,716	.593	1,457,313	.803	15,205,014	.467	5,409	.467
1907.....	31,954,488	.592	1,353,680	.770	14,482,351	.479	8,103	.50
1906.....	27,566,480	.570	1,187,871	.762	9,556,331	.442	6,899	.48
1905.....	27,762,968	.578	1,218,340	.761	8,193,575	.443	8,491	.467
1904.....	28,648,682	.593	1,288,788	.767	7,121,243	.466	9,592	.50
1903.....	26,042,014	.57	1,241,105	.734	7,634,523	.434	12,254	.45
1902.....	22,186,812	.563	1,082,444	.723	6,637,938	.395	9,148	.395

* Day work.

Table 34 shows the earnings of miners in shipping mines where no machines are used.

TABLE 34—EARNINGS OF MINERS, HAND MINING—SHIPPING MINES.

District.	Number of miners.	Tons mined.	Average rate per ton.	Gross earnings.	Average earnings for year.
First.....	1,781	1,403,406	\$0.962	\$1,350,285	\$758.16
Second.....	1,788	1,581,632	.924	1,461,941	817.61
Third.....	2,984	2,954,321	.834	2,463,280	825.50
Fourth.....	1,485	1,827,504	.731	1,336,000	900.00
Fifth.....	2,512	2,996,225	.674	2,019,942	804.12
Sixth.....	4,658	6,220,707	.675	4,200,270	901.73
Seventh.....	1,085	1,480,253	.661	978,447	901.80
Eighth.....	1,061	1,556,258	.65	1,011,078	953.95
Ninth.....	1,865	2,647,863	.661	1,750,237	938.46
Tenth.....	2,008	2,143,291	.634	1,357,811	676.20
Eleventh.....	462	496,356	.621	308,237	667.18
Twelfth.....	3,262	4,636,774	.621	2,879,437	882.72
The State, 1917.....	24,951	29,944,590	\$0.705	\$21,116,965	846.34

Table 35 gives the earnings of machine men and loaders in exclusive machine mines.

TABLE 35—EARNINGS OF MACHINE MEN AND LOADERS, MACHINE MINING—SHIPPING MINES, BY DISTRICTS.

District.	Number of machine-men and loaders.	Tons mined.	Average rate per ton.	Gross earnings.	Average earnings, for year.
First.....	47	21,492	\$0.76	\$ 18,611	\$ 396.05
Second.....	239	46,387	.681	31,615	132.26
Third.....	350	362,118	.66	239,173	683.35
Fourth.....	551	721,218	.661	476,669	865.10
Fifth.....	1,835	3,231,587	.58	1,875,524	1,023.68
Sixth.....	692	1,403,299	.591	829,350	1,198.48
Seventh.....	4,736	8,740,256	.591	5,168,491	1,091.32
Eighth.....	3,394	6,079,637	.586	3,560,616	960.72
Ninth.....	1,901	3,004,553	.591	1,775,691	932.61
Tenth.....	1,795	2,995,299	.568	1,700,263	947.22
Eleventh.....	9,609	15,539,125	.551	8,562,157	901.16
Twelfth.....	3,134	4,997,996	.551	2,528,846	806.91
The State.....	28,486	47,145,787	\$0.568	\$26,767,039	\$939.65

Table 36 shows the number of mines and machines and the tons produced in those mines where machines are used, by districts for the year and by years—1900-1917 inclusive.

TABLE 36—MACHINE MINING—MINES, MEN, MACHINES AND TONS, BY DISTRICTS, FOR 1917 AND BY YEARS, 1917-1900.

District and year.	Mines in which machines are used.									
	Exclusively.				In part.			Total.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
First.....					2	3	28,014	2	3	28,014
Second.....	1	35	1	20,000		11	46,387	3	12	66,387
Third.....	4	356	23	312,261	5	11	71,823	9	34	384,084
Fourth.....	1	157	6	163,876	3	27	557,342	4	33	721,218
Fifth.....	6	1,478	93	1,850,331	6	52	1,399,737	12	145	3,250,068
Sixth.....	2	1,021	28	1,403,299				2	28	1,403,299
Seventh.....	14	6,810	257	8,652,631	4	12	97,491	18	269	8,750,122
Eighth.....	13	4,160	161	5,097,904	3	47	993,301	16	208	6,091,205
Ninth.....	10	2,097	129	2,746,177	3	17	258,376	13	146	3,004,553
Tenth.....	7	1,902	68	1,914,922	7	58	1,081,881	14	126	2,996,803
Eleventh.....	32	11,859	503	12,422,592	8	134	3,116,629	40	637	15,539,221
Twelfth.....	8	1,743	109	1,950,837	10	170	3,047,069	18	279	4,997,906
1917.....	98	31,618	1,378	36,534,830	53	542	10,698,050	151	1,920	47,232,880
1916.....	98	29,546	1,316	29,670,248	41	501	9,642,128	139	1,817	39,312,376
1915.....	97	28,547	1,274	26,775,007	34	412	7,262,419	131	1,686	34,037,426
1914.....	98	26,488	1,333	24,021,685	43	495	7,425,138	141	1,828	31,446,823
1913.....	86	22,769	1,065	21,184,931	54	624	9,043,589	140	1,689	30,228,520
1912.....	69	18,363	957	16,960,021	70	624	8,590,088	139	1,581	25,550,059
1911.....	60	14,754	854	12,625,625	66	576	7,372,634	126	1,430	19,998,259
1910.....	61	14,454	839	12,474,471	53	450	5,701,783	114	1,289	18,176,254
1909.....	55	12,238	771	10,637,513	52	475	5,770,179	107	1,246	16,407,692
1908.....	60	12,357	754	11,246,285	45	406	3,964,138	105	1,160	15,210,423
1907.....	60	6,858	748	10,434,573	41	357	4,055,881	101	1,105	14,490,454
1906.....	57	6,137	685	7,638,536	28	277	1,924,694	85	962	9,563,230
1905.....	52	4,635	560	6,406,571	24	224	1,795,495	76	784	8,202,066
1904.....	40	3,691	400	4,903,184	27	223	2,237,243	67	623	7,140,427
1903.....	33	4,378	292	4,393,052	35	230	3,253,725	68	522	7,646,777
1902.....	34	4,811	308	4,460,025	30	156	2,037,098	64	464	6,497,123
1901.....	29	3,499	280	3,761,270	34	184	2,015,369	63	464	5,776,639
1900.....	38	3,883	272	3,765,601	29	158	1,817,993	67	430	5,583,594

EXPLOSIVES USED FOR BLASTING COAL.

Table 37 shows by districts the number of mines using explosives for blasting down the coal, the number of miners, tons produced, kegs of powder and pounds of permissible explosives used, where hand mining is done exclusively.

TABLE 37—CONSUMPTION OF POWDER AND PERMISSIBLE EXPLOSIVES FOR BLASTING COAL, IN SHIPPING MINES WHERE HAND MINING IS DONE EXCLUSIVELY.

District.	Number of mines.	Number of miners.	Number of tons.	Number of kegs of powder.	Pounds of permissible explosives.
First.....	13	1,726	1,367,045	3,760	31
Second.....	7	1,330	1,125,415	16,578	3,805
Third.....	16	2,134	2,206,864	65,865	.....
Fourth.....	15	1,420	1,740,038	113,026	50
Fifth.....	17	2,021	2,716,210	60,852	200
Sixth.....	29	4,658	6,220,707	321,708	155
Seventh.....	4	851	1,146,217	31,651	.....
Eighth.....	10	897	1,232,870	48,949	.....
Ninth.....	34	1,775	2,546,469	96,641	.....
Tenth.....	16	1,052	1,184,985	44,323	85
Eleventh.....	3	151	158,151	7,634	.....
Twelfth.....	17	2,410	3,205,695	120,747	6,000
The State, 1917.....	181	20,425	24,850,666	931,734	10,326

PHYSICAL CHARACTERISTICS.

Table 38 is a list of all mines of the State showing the physical characteristics and output of each.

TABLE 38—PHYSICAL CHARACTERISTIC OF COAL MINES, 1917.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
BOND COUNTY.											
1	Pocahontas M. Co., No. 1...	Pocahontas...	6	386	7.6	Sh.	St..	P. R.	M. & M.	Hd...	107,895
	Total—1 mine.....										107,895
BUREAU COUNTY.											
1	St. Paul C. Co., No. 2.....	Cherry.....	2	484	3.0	Sh.	St..	L. W.	Mule...	Hd...	322,288
2	Springvalley C. Co., No. 3...	Springvalley.	2	457	3.4	Sh.	St..	L. W.	Mule...	Hd...	321,954
3	Springvalley C. Co., No. 1...	do.	2	339	3.4	Sh.	St..	L. W.	M. & M.	Both.	268,607
4	Springvalley C. Co., No. 5...	Dalzell.....	2	421	3.4	Sh.	St..	L. W.	M. & M.	Hd...	236,329
5	Ill. Third Vein C. Co., No. 1	Ladd	2	468	3.6	Sh.	St..	L. W.	M. & M.	Both.	233,997
6	D. C. Brandt.....	Mineral.....	6	45	4.6	Sh.	Ho.	P. R.	Hd....	Hd...	2,800

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines										Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haillage—hand, mule, cable, electric.	Mining—hand, machine, both.			
7	T. H. Wilkinson.....	Mineral.....	6	180	4.6	Sl.	St.	P. R.	Hd....	Hd....	2,458		
8	Nelson & Moran.....	Sheffield.....	6	12	4.6	Dr.	Ho.	P. R.	Hd....	Hd....	1,895		
9	W. J. Masters.....	do.....	6	50	4.6	Sh.	Ho.	P. R.	Hd....	Hd....	200		
10	A. M. Mapes.....	do.....	6	60	4.6	Sh.	Ho.	P. R.	Hd....	Hd....	24		
Total—10 mines.....											1,390,552		
CASS COUNTY.													
1	Ed Knight.....	Beardstown..	2	66	3.6	Dr.	Hd.	P. R.	Hd....	Hd....	1,550		
Total—1 mine.....											1,550		
CHRISTIAN COUNTY.													
1	Peabody Coal Co., No. 7.....	Kincaid.....	6	349	7.6	Sh.	St.	P. R.	M. & M	Mc...	734,733		
2	Peabody Coal Co., No. 8.....	do.....	6	365	7.0	Sh.	St.	P. R.	M. & M	Mc...	564,311		
3	Peabody Coal Co., No. 21....	Stonington..	6	480	7.6	Sh.	St.	P. R.	M. & M	Mc...	448,248		
4	Spfld. Dist. C. M. Co., No. 8	Taylorville..	6	...	8.0	Sh.	St.	P. R.	M. & M	Hd....	315,854		
5	Penwell Coal Mining Co.....	Pana.....	6	735	7.6	Sh.	St.	P. R.	M. & M	Hd....	282,521		
6	Smith-Lohr Coal M. Co.....	do.....	6	721	7.6	Sh.	St.	P. R.	M. & M	Hd....	271,687		
7	Pana Coal Co., No. 1.....	do.....	6	720	7.6	Sh.	St.	P. R.	Motor..	Hd....	123,005		
8	Assumption Coal & M. Co....	Assumption..	1	1004	3.6	Sh.	St.	L. W.	Motor..	Both..	70,170		
9	Greenwood Coal Co.....	Edinburg....	5	365	7.0	Sh.	St.	P. R.	Mule...	Hd....	11,638		
Total—9 mines.....											2,822,167		
CLINTON COUNTY.													
1	So. C., C. & M. Co., No. 9....	New Baden..	6	318	7.0	Sh.	St.	P. R.	M. & M	Both..	499,640		
2	Breese Trenton Mining Co., Buxton.....	Beckemeyer..	6	440	7.0	Sh.	St.	P. R.	M. & M	Mc...	319,630		
3	North Breese C. M. Co.....	Breese.....	6	380	7.0	Sh.	St.	P. R.	M. & M	Mc...	278,229		
4	Breese Trenton M. Co., E. B.	do.....	6	400	7.0	Sh.	St.	P. R.	M. & M	Mc...	234,996		
5	Consolidated Coal Co.....	do.....	6	403	8.0	Sh.	St.	P. R.	M. & M	Hd....	94,699		
Total—5 mines.....											1,426,594		
FRANKLIN COUNTY.													
1	Old Ben Coal Corp., No. 8....	W. Frankfort	6	490	9.0	Sh.	St.	P. R.	Motor..	Mc...	1,093,317		
2	Bell & Zoller Mining Co.....	Zeigler.....	6	417	14.0	Sh.	St.	P. R.	Motor..	Mc...	1,065,359		
3	C. W. & Frank C. Co., No. 1....	Orient.....	6	420	9.6	Sh.	St.	P. R.	Motor..	Mc...	1,008,474		
4	Old Ben Coal Corp., No. 9....	W. Frankfort	6	468	10.0	Sh.	St.	P. R.	Motor..	Mc...	933,141		
5	Old Ben Coal Corp., No. 14....	Christopher..	6	425	9.0	Sh.	St.	P. R.	Motor..	Mc...	891,882		
6	Old Ben Coal Corp., No. 11....	do.....	6	517	12.0	Sh.	St.	P. R.	Motor..	Both..	869,504		
7	Old Ben Coal Corp., No. 10....	do.....	6	517	12.0	Sh.	St.	P. R.	Motor..	Both..	656,261		
8	Old Ben Coal Corp., No. 12....	do.....	6	425	9.6	Sh.	St.	P. R.	Motor..	Mc...	641,427		
9	W. Frankfort C. Co., No. 1....	W. Frankfort	6	450	9.10	Sh.	St.	P. R.	M. & M	Mc...	624,714		
10	Franklin C. & C. Co., No. 1....	Royalton....	6	317	9.6	Sh.	St.	P. R.	M. & M	Both..	555,505		
11	Sesser Coal Co.....	Sesser.....	6	640	9.0	Sh.	St.	P. R.	M. & M	Both..	509,324		
12	Benton Coal Co.....	Benton.....	6	640	13.0	Sh.	St.	P. R.	M. & M	Mc...	449,864		
13	John A. Logan Coal Co.....	Logan.....	6	730	6.6	Sh.	St.	P. R.	M. & M	Mc...	344,116		
14	W. P. Rend Collieries Co....	Rend.....	6	567	7.8	Sh.	St.	P. R.	M. & M	Mc...	327,151		
15	By Products C. C., No. 18....	W. Frankfort	6	510	7.0	Sh.	St.	P. R.	Motor..	Mc...	296,053		
16	By Products C. C., No. 19....	do.....	6	494	9.0	Sh.	St.	P. R.	M. & M	Mc...	269,641		
17	Taylor Mining Co., No. 5....	Herrin.....	6	350	11.0	Sh.	St.	P. R.	Motor..	Both..	267,177		
18	United States Fuel Co.....	Benton.....	6	603	7.6	Sh.	St.	P. R.	M. & M	Mc...	207,639		
19	Taylor Collieries Co.....	do.....	6	647	9.0	Sh.	St.	P. R.	M. & M	Mc...	206,636		
20	Franklin C. & C. Co., No. 2....	Royalton....	6	220	9.6	Sh.	St.	P. R.	M. & C.	Hd....	64,439		
21	Western Coal Mining Co.....	do.....	6	152	10.6	Sh.	St.	P. R.	Mule...	Mc...	45,033		
Total—21 mines.....											11,317,657		

TABLE 38—Continued.

Number.	Name of operator.	Post-office address or mines.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haillage—band, mule, cable, electric.	Mining—band, machine, both.	
FULTON COUNTY.											
1	Big Creek C. Co., No. 2.....	St. David.....	5	60	4.6	Dr.	St.	P. R.	M. & M.	Both.	300,127
2	Silver Creek Colliery Co.....	Farmington.....	5	48	4.0	Sh.	St.	P. R.	M. & M.	Hd...	279,708
3	Big Creek C. Co., No. 4.....	Dunfermline.....	5	90	4.8	Sh.	St.	P. R.	M. & M.	Both.	207,007
4	Monmouth Coal & Mining Co., No. 1.....	Brereton.....	5	148	4.6	Sh.	St.	P. R.	Mule...	Hd...	172,413
5	Alden Coal Co., No. 8.....	Farmington.....	5	78	4.0	Sh.	St.	P. R.	Mule...	Me...	163,876
6	National Coal Mining Co.....	do.....	5	100	4.0	Sh.	St.	P. R.	Mule...	Hd...	150,074
7	Star Coal Co., No. 3.....	Cuba.....	5	34	4.6	Sh.	St.	P. R.	M. & C.	Hd...	147,278
8	Simmons Coal Co.....	Canton.....	5	126	4.10	Sh.	St.	P. R.	M. & M.	Both.	137,674
9	Maplewood Col. Co., No. 2.....	Farmington.....	5	150	4.0	Sh.	St.	P. R.	M. & M.	Hd...	132,053
10	Eagle Mining Co.....	Canton.....	5	100	5.0	Sh.	St.	P. R.	M. & M.	Hd...	128,085
11	Alden Coal Co., No. 6.....	Norris.....	5	176	4.0	Sh.	St.	P. R.	M. & M.	Hd...	127,839
12	Alden Coal Co., No. 5.....	Farmington.....	5	171	4.0	Sh.	St.	P. R.	Mule...	Hd...	120,020
13	Big Creek Coal Co., No. 3.....	Cuba.....	5	50	4.8	Sh.	St.	P. R.	M. & C.	Hd...	118,717
14	Spoon River Colliery Co.....	London Mills.....	6	45	5.0	Sh.	St.	P. R.	Motor...	Hd...	102,239
15	Maplewood C. Co., No. 1.....	Farmington.....	5	125	4.0	Sh.	St.	P. R.	M. & M.	Hd...	78,441
16	Genuine Norris C. M. Co.....	Norris.....	5	185	4.3	Sh.	St.	P. R.	Mule...	Hd...	66,129
17	Coal Creek Mining Co.....	Fairview.....	5	...	4.8	Sh.	St.	P. R.	Mule...	Hd...	41,930
18	Star Coal Co., No. 2.....	Cuba.....	5	...	4.8	Dr.	St.	P. R.	M. & C.	Hd...	38,112
19	Star Coal Co., No. 1.....	Fiatt.....	5	75	4.8	Sh.	St.	P. R.	Mule...	Hd...	37,000
20	Neal Baxter.....	Canton.....	5	65	5.0	Sl.	St.	P. R.	Mule...	Hd...	35,000
21	Joe McLaughlin.....	do.....	5	35	5.0	Sh.	St.	P. R.	Mule...	Hd...	21,000
22	Middleton Coal Co.....	do.....	5	50	4.8	Sh.	St.	P. R.	Mule...	Hd...	20,000
23	R. J. Nahn.....	Lewistown.....	5	60	3.2	Sh.	Ho.	P. R.	Hd...	Hd...	17,000
24	Westerby Bros. & Gooden.....	Farmington.....	5	130	4.0	Sh.	St.	P. R.	Mule...	Hd...	15,333
25	Pieton & Bennett.....	Cuba.....	5	60	5.0	Sh.	St.	P. R.	Hd...	Hd...	7,332
26	John Johnson.....	Canton.....	5	26	5.0	Sh.	St.	P. R.	Mule...	Hd...	5,200
27	South & Lawson.....	Ellisville.....	1	42	4.0	Sh.	St.	P. R.	Hd...	Hd...	5,200
28	Spenny Coal Co.....	Canton.....	5	58	5.0	Sh.	Ho.	P. R.	Mule...	Hd...	4,448
29	W. O. Falkenstein.....	Astoria.....	5	28	6.0	Sh.	Ho.	P. R.	Hd...	Hd...	3,600
30	Eclipse Coal Co.....	do.....	5	65	6.0	Sh.	St.	P. R.	Mule...	Hd...	3,500
31	Murphy & Sons.....	Canton.....	5	250	4.6	Sl.	St.	P. R.	Hd...	Hd...	2,800
32	Gray & Son.....	Ipava.....	5	30	6.0	Sl.	St.	P. R.	Hd...	Hd...	2,800
33	Ralph L. Wade.....	Canton.....	5	450	5.0	Sl.	Ho.	P. R.	Mule...	Hd...	2,512
34	Harry Porter.....	St. David.....	5	25	5.0	Dr.	Ho.	P. R.	Mule...	Hd...	2,500
35	M. R. Parks.....	Bluff City.....	5	75	3.0	Dr.	Hd.	P. R.	Hd...	Hd...	2,500
36	A. J. Gunnett.....	Fairview.....	5	50	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	2,425
37	H. G. Baxter.....	do.....	5	45	4.0	Dr.	Hd.	P. R.	Hd...	Hd...	2,056
38	Ross Parr.....	Astoria.....	5	80	6.0	Sh.	St.	P. R.	Hd...	Hd...	1,640
39	Fred Lingenfelter.....	Canton.....	5	30	5.0	Dr.	Ho.	P. R.	Mule...	Hd...	1,587
40	Wm. Bath.....	St. David.....	5	45	5.0	Dr.	Ho.	P. R.	Mule...	Hd...	1,535
41	O. H. Standard.....	Canton.....	5	45	5.0	Sh.	Ho.	P. R.	Hd...	Hd...	1,500
42	Andrew Weber.....	Table Grove.....	5	30	5.0	Dr.	Ho.	P. R.	Mule...	Hd...	1,467
43	Frank Tindall.....	Glasford.....	5	...	4.8	Dr.	Ho.	P. R.	Hd...	Hd...	1,430
44	J. R. Dubois.....	Norris.....	6	30	4.6	Dr.	Hd.	P. R.	Hd...	Hd...	1,200
45	William Dilts.....	Fairview.....	6	45	4.5	Dr.	Hd.	P. R.	Hd...	Hd...	1,200
46	Silas Simpson.....	Cuba.....	5	...	5.0	Dr.	Hd.	P. R.	Mule...	Hd...	1,152
47	H. R. Brush.....	Marietta.....	3	...	2.6	Dr.	Hd.	P. R.	Hd...	Hd...	1,050
48	L. A. Rateliff.....	Fairview.....	5	...	4.8	Sl.	Ho.	P. R.	Mule...	Hd...	1,000
49	W. A. Sheets.....	do.....	6	...	4.6	Dr.	Hd.	P. R.	Hd...	Hd...	960
50	Nick Bennett.....	Cuba.....	5	50	5.0	Sl.	Ho.	P. R.	Mule...	Hd...	850
51	B. W. Dickson.....	Bryant.....	5	21	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	840
52	James Grindle.....	Cuba.....	5	...	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	812
53	E. E. Post.....	Bryant.....	5	...	5.0	Dr.	Hd.	P. R.	Mule...	Hd...	800
54	A. E. Wilson.....	Astoria.....	2	50	2.8	Sl.	Hd.	P. R.	Hd...	Hd...	800
55	Geo. Whitehead.....	Lewistown.....	5	...	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	800
56	Geo. Goodman.....	do.....	2	31	3.0	Sh.	St.	P. R.	Hd...	Hd...	775
57	Bartol Zabarae.....	St. David.....	5	22	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	750
58	Geo. Provard.....	Canton.....	5	23	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	750
59	John Turner.....	do.....	5	40	5.0	Dr.	Hd.	P. R.	Mule...	Hd...	700
60	Ed. Stanley.....	Fairview.....	6	...	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	680
61	D. A. Brown.....	Cuba.....	5	60	5.0	Dr.	Hd.	P. R.	Hd...	Hd...	650
62	C. Leonard.....	Ipava.....	2	...	3.0	Dr.	Hd.	P. R.	Hd...	Hd...	640
63	Frank Adkison.....	Breeds.....	5	...	4.5	Dr.	Hd.	P. R.	Hd...	Hd...	617

TABLE 38—Continued.

Number.	Name of operator.	Post-office address or mines.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haubage—hand, mule, cable, electric.	Mining—hand, machine, both.	
JOHNSON COUNTY.											
1	A. S. Hindley.....	Creal Springs.	3	16	3.6	Sl.	Ho.	P. R.	Hand..	Hd...	15,000
2	P. M. Ward.....	N. Burnside..	3	30	3.6	Sl.	Ho.	P. R.	Hand..	Hd...	2,373
3	A. J. Dougherty.....	do.....	3	....	3.6	Sl.	Hd.	P. R.	Hand..	Hd...	450
Total—3 mines.....											17,823
KNOX COUNTY.											
1	Geo. & Chas. Horkstrom....	Victoria.....	6	....	4.4	Dr.	Hd.	P. R.	Hand..	Hd...	13,000
2	F. H. Milan.....	Galesburg....	6	100	4.0	Sh.	St.	P. R.	Hand..	Hd...	6,400
3	Rodell & Mitchell.....	Wataga.....	6	50	4.0	Sh.	Ho.	P. R.	Hand..	Hd...	3,650
4	Chas. G. Bangstrom.....	do.....	6	....	4.0	Dr.	Hd.	P. R.	Hand..	Hd...	2,900
5	W. H. Bowman & Co.....	Yates City....	5	70	3.8	Sh.	Ho.	P. R.	Hand..	Hd...	2,600
6	Charlie Folkenroth.....	Middlegrove..	5	....	4.0	Dr.	Hd.	P. R.	Hand..	Hd...	2,130
7	Ed. Horkstrom.....	Victoria.....	6	....	4.4	Dr.	Hd.	P. R.	Hand..	Hd...	1,621
8	Jesse Hillier.....	Rapatee.....	5	....	3.9	Dr.	Hd.	P. R.	Hand..	Hd...	1,082
9	Fennel & Wilkie.....	Middlegrove..	5	....	3.7	Dr.	Hd.	P. R.	Hand..	Hd...	1,071
10	N. C. Norburg.....	Victoria.....	5	8	6.6	Sl.	Hd.	P. R.	Hand..	Hd...	687
11	H. Taylor.....	Wataga.....	6	....	4.0	Dr.	Hd.	P. R.	Hand..	Hd...	600
12	A. D. Morgan.....	Oneida.....	6	9	4.0	Sl.	Ho.	P. R.	Hand..	Hd...	600
13	Franklin Homer Morse, Jr.,	Rapatee.....	5	....	4.6	Dr.	Hd.	P. R.	Hand..	Hd...	539
14	F. W. White.....	Victoria.....	6	....	4.9	Dr.	Hd.	P. R.	Hand..	Hd...	522
15	N. C. Anderson.....	Knoxville.....	6	200	2.11	Dr.	Hd.	P. R.	Hand..	Hd...	392
16	James Matson.....	Victoria.....	6	....	4.6	Sl.	Hd.	P. R.	Hand..	Hd...	325
17	Ed. Peterson.....	do.....	6	....	4.4	Dr.	Hd.	P. R.	Hand..	Hd...	270
18	A. J. Nelson.....	Knoxville.....	6	25	2.8	Sh.	Hd.	P. R.	Hand..	Hd...	199
19	James D. Gale.....	Victoria.....	6	6	4.6	Sl.	Ho.	P. R.	Hand..	Hd...	150
20	J. E. Walsh.....	Williamsfield.	6	48	4.6	Sh.	Ho.	P. R.	Hand..	Hd...	142
21	G. A. Rice.....	Victoria.....	6	....	4.6	Dr.	Hd.	P. R.	Hand..	Hd...	60
Total—21 mines.....											38,940
LA SALLE COUNTY.											
1	Oglesby Coal Co.....	Oglesby.....	2	464	3.8	Sh.	St.	L. W.	M. & M.	Hd...	197,584
2	LaSalle County Carbon Coal Co., No. 5.....	LaSalle.....	2	545	3.6	Sh.	St.	L. W.	Mule...	Hd...	189,860
3	LaSalle County Carbon Coal Co., No. 1.....	do.....	2	440	3.6	Sh.	St.	L. W.	M. & M.	Hd...	180,220
4	LaSalle County Carbon Coal Co., Union.....	do.....	2	398	3.6	Sh.	St.	L. W.	Mule...	Hd...	97,589
5	Illinois Zinc Co., No. 3.....	Peru.....	2	336	3.2	Sh.	St.	L. W.	Mule...	Hd...	72,645
6	LaSalle County Carbon Coal Co., LaSalle.....	LaSalle.....	2	398	3.6	Sh.	St.	L. W.	M. & M.	Both.	60,853
7	Illinois Zinc Co., No. 1.....	Deer Park.....	2	440	3.6	Sh.	St.	L. W.	Mule...	Hd...	53,524
8	G. & J. Coal Co., No. 1.....	Seneca.....	2	130	4.0	Sh.	St.	L. W.	Mule...	Hd...	22,374
9	Rutland Coal Co., No. 2.....	Rutland.....	2	500	3.6	Sh.	St.	L. W.	Mule...	Hd...	11,125
10	Mathiessen & Hegeler Zinc Co., No. 1.....	LaSalle.....	5	312	5.0	Sh.	St.	P. R.	M. & M.	Both.	170,148
11	Manufacturers Coal Co.....	Marseilles....	2	125	2.8	Sh.	St.	P. R.	Mule...	Hd...	30,524
12	Munts Bros.....	Streator.....	7	60	4.8	Sh.	Ho.	P. R.	Hand..	Hd...	17,500
13	Seroko-Flavell Coal Co.....	do.....	7	59	5.0	Sh.	Ho.	P. R.	Mule...	Hd...	6,936
14	Chicago Retort Co.....	Ottawa.....	2	....	2.0	St.	....	....	....	Hd...	5,330
15	National Fire Proofing Co.....	do.....	2	....	2.0	St.	....	....	....	Hd...	3,300
16	Donkin-Stobs.....	Streator.....	7	73	5.6	Sh.	St.	P. R.	Hand..	Hd...	3,091
17	Prairie Creek Coal Co.....	do.....	7	24	5.6	Sh.	Ho.	P. R.	Mule...	Hd...	1,942
18	Thomas & Rheel.....	do.....	7	130	5.0	Sh.	St.	P. R.	Hand..	Hd...	1,706
19	DeMoss & Son.....	Kangley.....	7	....	3.6	Dr.	Ho.	P. R.	Hand..	Hd...	1,670
20	Illinois Clay Product Co.....	Oglesby.....	2	....	3.6	Dr.	Ho.	P. R.	Mule...	Hd...	1,185
21	John Petrotte.....	Kangley.....	7	....	4.0	Dr.	Hd.	P. R.	Mule...	Hd...	1,000
22	Lakatos & Uhrin.....	Streator.....	2	....	5.0	Dr.	Ho.	P. R.	Mule...	Hd...	1,000
23	John Roth.....	Tonica.....	7	80	3.0	Sh.	Ho.	P. R.	Hand..	Hd...	800
24	William Francis.....	Streator.....	7	38	4.0	Dr.	Ho.	P. R.	Mule...	Hd...	600
25	William Bottomley.....	Utica.....	2	65	3.6	Dr.	Ho.	P. R.	Mule...	Hd...	400

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Holisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
26	Grover Gilbert.....	Streator.....	7	.....	3.8	Dr.	Hd.	P. R.	Hand..	Hd...	300
27	Thomas Mitchell.....	do.....	7	.....	5.0	Dr.	Ho.	P. R.	Hand..	Hd...	250
28	Herrick Clay Mfg. Co.....	Ottawa.....	7	65	2.0	Dr.	Hd.	P. R.	Hand..	Hd...	200
29	Fred Lawton.....	Streator.....	7	.....	4.4	Dr.	Hd.	P. R.	Hand..	Hd...	156
30	Brooker Bros.....	Lowell.....	2	.....	2.7	Dr.	Hd.	P. R.	Hand..	Hd...	145
31	Thomas Mooney.....	Ottawa.....	2	.....	2.0	St.	.....	.....	.....	Hd...	135
32	Charles Hendee.....	Ottawa.....	3	.....	2.0	Dr.	Hd.	P. R.	Hand..	Hd...	127
33	Charles Baldwin.....	Streator.....	7	.....	4.6	Dr.	Hd.	P. R.	Hand..	Hd...	125
34	L. W. Brewer.....	Ottawa.....	3	300	2.0	Dr.	Hd.	P. R.	Hand..	Hd...	120
35	W. Akers.....	Streator.....	7	30	4.6	Dr.	Ho.	P. R.	Hand..	Hd...	50
36	Lottis Liptak.....	do.....	7	40	4.0	Sh.	Ho.	P. R.	Hand..	Hd...	35
37	Heenanville Coal Co.....	do.....	7	112	5.0	Sh.	St.	P. R.	Hand..	Hd...	35
Total—37 mines.....											1,134,584
LIVINGSTON COUNTY.											
1	Murphy, Linckey & Kasher Coal Co., No. 1.....	Pontiac.....	6	210	5.0	Sh.	St.	P. R.	Mule...	Hd...	38,398
2	Fairbury Coal Co.....	Fairbury.....	7	65	5.6	Sh.	St.	P. R.	Mule...	Hd...	27,000
3	Streator Clay Mfg. Co.....	Streator.....	7	80	5.6	Sh.	Hd.	P. R.	Mule...	Me...	29,785
4	Barr Clay Co.....	do.....	7	.....	4.0	Sh.	St.	P. R.	Cable...	Hd...	19,404
5	Munts Bros. Coal Co.....	do.....	7	60	4.6	Sh.	Ho.	P. R.	Hand..	Hd...	16,775
6	Fairbury Miners Co-operative Coal Co.....	Fairbury.....	7	165	4.0	Sh.	St.	P. R.	Hand..	Hd...	15,014
7	Wonders Bros.....	Streator.....	7	25	4.2	Sl.	Ho.	P. R.	Hand..	Hd...	4,000
8	McMillen & Son.....	do.....	7	12	4.6	Sl.	St.	P. R.	Hand..	Hd...	1,200
9	Joe Blank.....	do.....	1	20	4.0	Sl.	St.	P. R.	Hand..	Hd...	160
10	James Lucas.....	Manville.....	2	20	3.0	Dr.	Hd.	P. R.	Hand..	Hd...	60
Total—10 mines.....											151,796
LOGAN COUNTY.											
1	Latham Coal & Mining Co.....	Lincoln.....	5	300	5.0	Sh.	St.	P. R.	M. & M.	Hd...	256,642
2	Citizens Coal & Mining Co.....	do.....	5	271	5.2	Sh.	St.	P. R.	Mule...	Hd...	177,849
3	Lincoln Mining Co., No. 1.....	do.....	5	272	5.4	Sh.	St.	P. R.	M. & C.	Hd...	162,020
Total—3 mines.....											596,511
MACON COUNTY.											
1	Manufacturers & Consumers Coal Co.....	Decatur.....	5	560	4.6	Sh.	St.	L. W.	Mule...	Hd...	180,105
2	Decatur Coal Co., No. 2.....	do.....	5	600	4.6	Sh.	St.	L. W.	Mule...	Hd...	73,937
3	Niantic Mining Co.....	Niantic.....	5	365	5.0	Sh.	St.	P. R.	Mule...	Hd...	4,962
Total—3 mines.....											259,004
MACOUPIN COUNTY.											
1	Superior Coal Co., No. 3.....	Gillespie.....	6	350	7.6	Sh.	St.	P. R.	M. & M.	Me...	1,158,796
2	Superior Coal Co., No. 2.....	do.....	6	340	7.6	Sh.	St.	P. R.	M. & M.	Me...	1,071,283
3	Superior Coal Co., No. 1.....	do.....	6	340	7.6	Sh.	St.	P. R.	M. & M.	Me...	885,467
4	Consolidated Coal Co., No. 14.....	Stanton.....	6	276	7.0	Sh.	St.	P. R.	M. & M.	Me...	760,643
5	Consolidated Coal Co., No. 7.....	do.....	6	350	7.0	Sh.	St.	P. R.	M. & M.	Me...	692,636
6	Consolidated Coal Co., No. 15.....	Mt. Olive.....	6	364	7.6	Sh.	St.	P. R.	M. & M.	Me...	610,040
7	Royal Colliery Co.....	Viriden.....	6	305	6.0	Sh.	St.	P. R.	M. & M.	Me...	508,097
8	Montour Coal Co., No. 403.....	Girard.....	6	360	7.0	Sh.	St.	P. R.	M. & M.	Hd...	318,578
9	Mt. Olive Coal Co., No. 5.....	Mt. Olive.....	6	420	8.0	Sh.	St.	P. R.	M. & M.	Me...	264,515
10	Carlinville Coal Co.....	Carlinville.....	6	265	7.0	Sh.	St.	P. R.	M. & M.	Hd...	175,344
11	Montour Coal Co., No. 402.....	Viriden.....	6	324	8.0	Sh.	St.	P. R.	M. & M.	Both.	126,917
12	Ridge Coal Mining Co.....	Greenridge.....	6	7	7.0	Sh.	St.	P. R.	Motor..	Hd...	6,517
13	Ed. A. Bauser.....	Bunker Hill.....	6	245	5.6	Sh.	St.	P. R.	Motor..	Me...	9,867

TABLE 38—Continued.

Number.	Name of operator.	Post-office address or mines.	Physical character of mines.									Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.		
14	C. E. Pitchford.....	Rockbridge...	6	75	7.6	Sh.	Ho.	P. R.	Motor...	Hd...	1,620	
15	J. J. Harbaugh.....	Chesterfield...	6	42	4.6	SL.	Ho.	P. R.	Motor...	Hd...	505	
Total—15 mines.....											6,590,825	
MADISON COUNTY.												
1	New Staunton Coal Co., No. 1.....	Livingston...	6	287	6.0	Sh.	St.	P. R.	M. & M.	Mc...	937,004	
2	Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	6	317	6.10	Sh.	St.	P. R.	M. & M.	Mc...	901,881	
3	Donk Bros. Coal & Coke Co., No. 2.....	Maryville....	6	246	7.6	Sh.	St.	P. R.	M. & M.	Mc...	886,317	
4	Donk Bros. Coal & Coke Co., No. 1.....	Collinsville...	6	140	6.6	Sh.	St.	P. R.	M. & M.	Hd...	548,977	
5	Lumaghi Coal Co., No. 2.....	do.....	6	198	8.0	Sh.	St.	P. R.	M. & M.	Mc...	410,721	
6	Madison Coal Corporation, No. 2.....	Glen Carbon..	6	125	5.6	Sh.	St.	P. R.	M. & M.	Mc...	386,880	
7	Kerns-Donnewald Coal Co.	Worden.....	6	270	7.0	Sh.	St.	P. R.	M. & M.	Mc...	324,295	
8	Donk Bros. Coal & Coke Co., No. 1.....	Troy.....	6	278	5.6	Sh.	St.	P. R.	M. & M.	Both.	259,591	
9	Mt. Olive & Staunton Coal Co., No. 1.....	Staunton.....	6	292	6.2	Sh.	St.	P. R.	M. & M.	Mc...	144,297	
10	Lumaghi Coal Co., No. 3.....	Collinsville...	6	180	8.0	Sh.	St.	P. R.	M. & M.	Hd...	110,638	
11	City Coal Co., No. 3.....	Edwardsville..	6	220	6.6	Sh.	St.	P. R.	Mule...	Mc...	43,317	
12	Madison County Mining Co.	do.....	6	135	5.6	Sh.	St.	P. R.	Mul	Hd...	35,444	
13	Abbey Coal Corp., No. 1.....	Collinsville...	6	200	6.6	Sh.	St.	P. R.	Mule...	Hd...	23,165	
14	East Side Coal Co.....	Edwardsville..	6	135	6.0	Sh.	St.	P. R.	Mule...	Hd...	19,580	
15	Beck-White Coal Co.....	do.....	6	190	6.4	Sh.	St.	P. R.	Mule...	Hd...	1,280	
16	Bunker Hill Coal Co.....	Collinsville...	6	187	6.6	Sh.	St.	P. R.	Mule...	Mc...	11,568	
17	Hydraulic Press Brick Co.	do.....	6	190	6.6	Sh.	St.	P. R.	Mule...	Hd...	6,683	
18	Bullock Bros.....	do.....	6	170	7.0	Sh.	St.	P. R.	Mule...	Hd...	5,982	
19	Fred Humm.....	Bethalto.....	6	75	5.6	Sh.	Ho.	P. R.	Hand...	Hd...	3,649	
20	George Kable.....	Moro.....	6	90	5.6	Sh.	Ho.	P. R.	Hand...	Hd...	2,200	
21	Benj. Eccles.....	Alton.....	1	40	3.6	Sh.	Ho.	P. R.	Hand...	Hd...	800	
22	Ernest H. Rink.....	Bethalto.....	2	70	3.2	Sh.	Ho.	P. R.	Hand...	Hd...	217	
23	Chas. Brueggemann.....	do.....	2	.....	.....	St.	.....	.....	.....	.....	180
24	Henry Bauer.....	do.....	6	16	3.8	SL.	Hd.	P. R.	Hand...	Hd...	152	
25	A. Decoto.....	do.....	5	.....	6.0	Dr.	Hd.	P. R.	Hand...	Hd...	35
26	John Kowalski.....	Worden.....	5	200	6.0	SL.	Hd.	P. R.	Hand...	Hd...	8	
Total—26 mines.....											5,044,261	
MARION COUNTY.												
1	Marion County C. Co., No. 1.....	Glenridge....	6	600	6.0	Sh.	St.	P. R.	M. & M.	Both.	557,458	
2	Chicago-Sandoval Coal Co., No. 2.....	Sandoval.....	6	625	6.0	Sh.	St.	P. R.	M. & M.	Hd...	281,895	
3	Odin Coal Co.....	Odin.....	6	714	6.6	Sh.	St.	P. R.	M. & M.	Mc...	239,369	
4	Chicago-Sandoval Coal Co., No. 1.....	Sandoval.....	6	615	5.8	Sh.	St.	P. R.	Mule...	Hd...	10,097	
Total—4 mines.....											1,088,619	
MARSHALL COUNTY.												
1	Toluca Coal Co., No. 1.....	Toluca.....	2	512	2.10	Sh.	St.	L. W.	M. & M.	Both.	281,638	
2	Wenona Coal Co., No. 1.....	Wenona.....	2	552	3.4	Sh.	St.	L. W.	Mule...	Hd...	179,925	
3	Acme Coal Co., No. 3.....	Sparland.....	7	.....	3.8	Dr.	Ho.	P. R.	Mule...	Hd...	13,621
4	F. G. Hadel & Sons.....	do.....	7	.....	4.0	Dr.	Hd.	P. R.	Hand...	Hd...	1,790
5	John H. Pearson.....	Henry.....	7	.....	3.6	Dr.	Hd.	P. R.	Hand...	Hd...	1,565
6	R. H. Ingram.....	Sparland.....	7	.....	4.0	Dr.	Hd.	P. R.	Hand...	Hd...	1,500
7	Wm. Crew.....	do.....	7	.....	4.0	Dr.	Hd.	P. R.	Hand...	Hd...	388
8	Geo. W. Davis.....	do.....	7	.....	3.8	Dr.	Hd.	P. R.	Hand...	Hd...	335

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mines.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
MORGAN COUNTY.											
1	W. F. Fisher.....	Murrayville..	5	80	4.0	Dr.	Hd.	P. R.	Hd.....	Hd...	700
2	Charles Wagstaff.....	do.....	5	40	4.0	Sh.	Ho.	P. R.	Hd.....	Hd...	300
Total—2 mines.....											1,000
PEORIA COUNTY.											
1	Wolschlag Co-oper. C. Co.....	Peoria.....	5	....	4.0	Sl.	St.	P. R.	M. & M.	Hd...	273,315
2	Clark C. & C. Co., No. 2.....	Peoria.....	5	185	4.0	Sh.	St.	P. R.	M. & M.	Hd...	232,594
3	M. E. Case Coal Co.....	do.....	5	18	4.2	Sl.	St.	P. R.	Motor..	Hd...	221,254
4	Crescent Coal Co. No. 1.....	do.....	5	200	4.2	Dr.	St.	P. R.	M. & M.	Both.	158,340
5	Logan Coal Co.....	Hanna City..	5	240	4.0	Sh.	St.	P. R.	M. & M.	Mc...	118,466
6	Newsam Bros., No. 4.....	Glasford.....	5	145	4.6	Sh.	St.	P. R.	Mule....	Hd...	110,587
7	Warsaw Coal Co.....	Edwards.....	5	100	4.5	Dr.	St.	P. R.	M. & M.	Hd...	94,256
8	Collier Co-oper. C. Co., No.1..	Bartonville..	5	120	4.6	Sh.	St.	P. R.	Motor..	Hd...	61,314
9	Mapleton Coal Co.....	Mapleton.....	5	150	4.8	Sl.	St.	P. R.	M. & C.	Hd...	28,454
10	German Coal Co.....	do.....	5	....	4.6	Sl.	St.	P. R.	Cable...	Mc...	27,619
11	Lancaster Ldg., C. & T. Co., No. 1.....	Kingston M..	5	140	4.6	Dr.	St.	P. R.	Mule....	Hd...	26,122
12	R. Taylor & Son.....	Princeville..	6	59	4.8	Sh.	St.	P. R.	Hd.....	Hd...	37,862
13	Winters Coal Co.....	Bartonville..	5	88	4.6	Sh.	St.	P. R.	Mule....	Hd...	23,654
14	Treasure Coal Co.....	do.....	5	182	4.2	Sh.	St.	P. R.	Mule....	Mc...	19,549
15	Frank P. Schmidt & Son.....	Peoria.....	5	....	4.4	Dr.	Ho.	P. R.	Mule....	Hd...	13,080
16	Ernest Colwell.....	Princeville..	6	75	4.8	Sh.	St.	P. R.	Hd.....	Hd...	9,972
17	Martin Coal Co.....	Peoria.....	5	400	4.0	Sl.	St.	P. R.	Mule....	Hd...	9,800
18	Mohn Coal Co.....	do.....	5	100	4.0	Sh.	St.	P. R.	Mule....	Hd...	9,154
19	Hibbard & Snedden C. Co.....	do.....	5	26	4.0	Sl.	St.	P. R.	Mule....	Hd...	9,020
20	E. Potter & Son.....	Mapleton.....	5	....	5.0	Dr.	Ho.	P. R.	Mule....	Hd...	8,521
21	Thomas Short.....	Chillicothe..	7	....	3.0	Dr.	Ho.	P. R.	Hd.....	Hd...	7,328
22	Limestone Coal Co.....	Peoria.....	5	70	4.5	Sh.	St.	P. R.	Mule....	Hd...	7,240
23	Wm. Cook, Jr.....	do.....	5	130	4.4	Sh.	St.	P. R.	Mule....	Hd...	6,801
24	Pleasant Heights Coal Co.....	do.....	5	70	4.4	Sh.	Ho.	P. R.	Hd.....	Hd...	6,260
25	Collier Bros.....	do.....	5	....	4.4	Sl.	St.	P. R.	Mule....	Hd...	4,120
26	McKinley Coal Co.....	Elmwood.....	5	125	3.10	Sh.	St.	P. R.	Hd.....	Hd...	3,500
27	James Schmidt.....	Peoria.....	5	250	4.2	Sl.	Ho.	P. R.	Mule....	Hd...	2,985
28	Lee, Snider & Son.....	do.....	5	75	4.4	Sl.	Ho.	P. R.	Hd.....	Hd...	1,800
29	Umholtz & Johnson.....	Kingston M..	5	....	4.8	Dr.	Ho.	P. R.	Mule....	Hd...	1,800
30	Harry Bramer.....	Mapleton.....	5	120	4.6	Sl.	Ho.	P. R.	Mule....	Hd...	1,724
31	George M. Aman, Jr.....	Edwards.....	5	85	4.0	Dr.	Ho.	P. R.	Mule....	Hd...	1,494
32	Thomas Mohu.....	Peoria.....	5	....	4.0	Sl.	Ho.	P. R.	Mule....	Hd...	1,477
33	George Wantling.....	do.....	5	90	4.0	Sh.	St.	P. R.	Mule....	Hd...	1,400
34	Clarkson & Henning.....	Edwards.....	5	500	4.0	Dr.	Hd.	P. R.	Hd.....	Hd...	1,250
35	Hammann & Vicory.....	Peoria.....	5	300	4.0	Sl.	Ho.	P. R.	Mule....	Hd...	1,100
36	R. C. Crew.....	do.....	7	....	3.8	Dr.	Hd.	P. R.	Hd.....	Hd...	948
37	J. W. Miller.....	Laura.....	6	33	4.0	Sh.	Ho.	P. R.	Hd.....	Hd...	916
38	Alvia E. Reed.....	Mapleton.....	5	....	4.0	Sl.	Ho.	P. R.	Mule....	Hd...	880
39	Harry J. Green.....	Hanna City..	6	400	4.6	Dr.	Hd.	P. R.	Hd.....	Hd...	850
40	Fred Snider.....	Oak Hill.....	5	70	4.4	Dr.	Hd.	P. R.	Mule....	Hd...	750
41	Wm. Pool.....	Edwards.....	6	75	4.6	Dr.	Ho.	P. R.	Hd.....	Hd...	729
42	Lorenzo Clarkson.....	Monica.....	6	100	5.0	Sl.	Ho.	P. R.	Hd.....	Hd...	641
43	Birt Tucker.....	Brimfield....	6	25	4.8	Sh.	Ho.	P. R.	Hd.....	Hd...	520
44	R. J. Scott.....	Oak Hill.....	5	400	4.0	Dr.	Hd.	P. R.	Hd.....	Hd...	513
45	Ed. Slone.....	do.....	5	300	4.0	Dr.	Hd.	P. R.	Hd.....	Hd...	500
46	Fusser Bros.....	Brimfield....	5	75	3.0	Dr.	Hd.	P. R.	Hd.....	Hd...	425
47	Albert Warner.....	Hanna City..	5	300	4.0	Sl.	Hd.	P. R.	Hd.....	Hd...	400
48	Frank Harlin.....	Chillicothe..	7	300	3.0	Dr.	Hd.	P. R.	Hd.....	Hd...	350
49	Wayman & Savage.....	Brimfield....	6	....	4.6	Dr.	Hd.	P. R.	Hd.....	Hd...	350
50	Fred Martin.....	Peoria.....	5	261	4.4	Dr.	Ho.	P. R.	Hd.....	Hd...	260
51	John Danbert.....	Hanna City..	6	150	5.6	Dr.	Hd.	P. R.	Hd.....	Hd...	225
52	A. S. Pierce.....	Peoria.....	5	300	4.4	Sl.	Ho.	P. R.	Mule....	Hd...	225
53	Wm. Cramer.....	Edwards.....	6	200	4.6	Sl.	Ho.	P. R.	Hd.....	Hd...	197
54	Jayne Murphy & Wagner.....	Mapleton.....	5	60	4.6	Sl.	Ho.	P. R.	Mule....	Hd...	160
55	Lemasters Bros.....	Edwards.....	5	300	4.0	Dr.	Hd.	P. R.	Hd.....	Hd...	150
56	Barney Daley.....	Oak Hill.....	5	100	4.0	Dr.	Hd.	P. R.	Hd.....	Hd...	89

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand machine, both.	
57	Clark & Murdock.....	Brimfield....	6	77	4.8	Dr.	Hd.	P. R.	Hd....	Hd....	60
58	James Stear.....	Peoria.....	6	40	4.6	Dr.	Hd.	P. R.	Hd....	Hd....	50
59	Harry Barr.....	Edwards....	5	70	4.0	Sl.	Hd.	P. R.	Hd....	Hd....	40
60	James Cox.....	Hanna City..	6	....	4.6	Dr.	Hd.	P. R.	Hd....	Hd....	25
Total—60 mines.....											1,553,455
PERRY COUNTY.											
1	Majestic Coal & Coke Co....	Duquoin.....	6	408	9.0	Sh.	St.	P. R.	Motor..	Both.	599,540
2	Security C. M. Co., No. 1....	do.....	6	90	7.6	Sh.	St.	P. R.	M. & M.	Me....	550,261
3	Paradise Coal Co.....	do.....	6	365	7.10	Sh.	St.	P. R.	M. & M.	Both.	483,483
4	Willis Coal & M. Co., No. 1..	Williamsville.	6	86	6.0	Sh.	St.	P. R.	M. & M.	Me....	339,265
5	Ritchey Coal Co.....	Pickneyville.	6	142	6.6	Sh.	St.	P. R.	Mule....	Hd....	156,504
6	St. Louis, Coulterville Coal & Co., Vulean.....	Coulterville..	6	7	8.4	Sh.	St.	P. R.	Mule....	Hd....	98,359
7	Crown C. M. Co., B. E.....	Craig.....	6	285	7.0	Sh.	St.	P. R.	Motor..	Hd....	80,496
8	Wilson Coal Co.....	Cutler.....	6	112	6.0	Sh.	St.	P. R.	Mule....	Hd....	47,453
9	Collier Coal Co.....	Tamaroa.....	6	222	6.0	Sh.	St.	P. R.	Mule....	Hd....	37,332
10	Bailey Bros. C. C., Diamond	Sunfield.....	6	70	5.0	Sh.	St.	P. R.	Mule....	Hd....	32,238
11	Soper Coal Co.....	Cutler.....	6	120	6.0	Sh.	St.	P. R.	Mule....	Hd....	25,405
12	Montgomery Coal Co.....	Pickneyville	6	85	7.0	Sh.	St.	P. R.	Mule....	Hd....	10,464
13	Sehneider Coal Co.....	do.....	6	74	6.8	Sh.	St.	P. R.	Mule....	Hd....	7,113
14	Hale Coal Co.....	do.....	6	60	6.0	Sh.	St.	P. R.	Hd....	Hd....	6,418
15	F. J. Howell Coal Co.....	Duquoin.....	6	90	6.3	Sl.	St.	P. R.	Mule....	Hd....	1,841
16	Harvey & Sons.....	do.....	6	80	7.0	Sh.	St.	P. R.	Hd....	Hd....	959
17	House Bros. Coal Co.....	St. John.....	6	22	5.11	Sh.	Ho.	P. R.	Hd....	Hd....	200
18	Dry & Revelle.....	Duquoin.....	6	24	5.10	Sh.	Ho.	P. R.	Hd....	Hd....	175
19	Norris & Sons.....	do.....	6	60	6.0	Sl.	Ho.	P. R.	Mule....	Hd....	55
Total—19 mines.....											2,477,561
PUTNAM COUNTY.											
1	St. Paul Coal Co., No. 1....	Granville....	2	488	3.4	Sh.	St.	L. W.	Mule....	Hd....	427,562
2	B. F. Berry C. Co., No. 1....	Standard....	2	505	3.0	Sh.	St.	L. W.	Mule....	Hd....	284,973
Total—2 mines.....											712,535
RANDOLPH COUNTY.											
1	Willis C. & M. C. No. 6.....	Percy.....	6	81	6.2	Sh.	St.	P. R.	M. & M.	Me....	261,444
2	Illinois Fuel Co., No. 4.....	Sparta.....	6	80	6.0	Sh.	St.	P. R.	M. & M.	Me....	240,460
3	Moffat Coal Co.....	do.....	6	140	6.0	Sh.	St.	P. R.	Mule....	Me....	189,282
4	Jones Bros. Coal & Mining Co., No. 2.....	Tilden.....	6	180	6.6	Sh.	St.	P. R.	M. & M.	Hd....	110,806
5	Wilson Bros. Coal Co., No. 7	Sparta.....	6	125	6.0	Sh.	St.	P. R.	Motor..	Both.	84,946
6	Tilden Coal Co., Crystal	Tilden.....	6	6	6.0	Sh.	St.	P. R.	Mule....	Hd....	73,708
7	Randolph Co. Coal Co.....	Coulterville..	6	320	6.8	Sh.	St.	P. R.	Mule....	Hd....	73,196
8	West Side C. & M. Co.....	do.....	6	196	6.0	Sh.	St.	P. R.	Mule....	Hd....	50,280
9	Tilden Coal Co., Tilden	Tilden.....	5	....	6.0	Sh.	St.	P. R.	Mule....	Hd....	49,012
10	Wilsen Coal Co.....	Sparta.....	6	100	5.6	Sh.	St.	P. R.	Mule....	Hd....	5,760
11	Boyle Coal Co.....	do.....	5	100	6.0	Sh.	St.	P. R.	Mule....	Hd....	5,600
12	Crain & Gordon.....	Percy.....	6	50	4.8	Sh.	St.	P. R.	Hd....	Both.	4,469
13	Rury & Co.....	do.....	6	56	6.0	Sh.	St.	P. R.	Hd....	Hd....	4,000
14	John Adams Coal Co.....	Williamsville.	5	42	6.0	Sh.	St.	P. R.	Mule....	Hd....	3,400
15	J. W. Bixby.....	Sparta.....	6	36	4.6	Sh.	St.	P. R.	Hd....	Hd....	3,085
16	Edward Jones & Son.....	do.....	5	40	5.0	Sh.	St.	P. R.	Hd....	Hd....	3,020
Total—16 mines.....											1,162,468
ROCK ISLAND COUNTY.											
1	Pryce Coal Co.....	Coal Valley ..	1	122	4.0	Sh.	St.	P. R.	Mule....	Both.	20,000
2	David Cook.....	Hampton....	1	100	3.0	Sl.	Ho.	P. R.	Hand..	Hd....	17,000
3	Barak Bros. & Kuhlman...	Coal Valley ..	1	150	4.0	Sl.	St.	P. R.	Mule....	Hd....	7,109

TABLE 38—Continued.

Number.	Name of operator.	Post-office address or mines.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Holting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
4	Fredrick & Gramenz.....	Coal Valley ..	1	60	4.0	Sl..	St..	P. R.	Mule...	Hd...	3,768
5	Stocks & Schadt.....	Carbon Cliff..	5	70	3.8	Sh..	St..	P. R.	Hand...	Hd...	2,678
6	Sommerson & Sievers.....	Coal Valley ..	1	26	5.8	Sl..	St..	P. R.	Mule...	Hd...	2,541
7	J. L. Donahoo.....	do.....	1	25	5.0	Sl..	Ho.	P. R.	Mule...	Hd...	1,955
8	Moline Coal Mining Co.....	Moline.....	1	60	3.6	Sh..	St..	P. R.	Cable...	Hd...	1,491
9	Stone Bros.....	Carbon Cliff..	1	25	4.0	Sh..	Ho.	P. R.	Hand...	Hd...	650
10	August Von Ach.....	Hampton.....	1	12	3.8	Sh..	Ho.	P. R.	Hand...	Hd...	535
Total—10 mines.....											57,727
SALINE COUNTY.											
1	Saline County Coal Co., No. 3	Harrisburg...	5	270	5.6	Sh..	St..	P. R.	M. & M.	Mc...	494,528
2	O'Gara Coal Co., No. 9.....	do.....	5	152	6.6	Sh..	St..	P. R.	M. & M.	Mc...	458,934
3	Wasson Coal Co., No. 1.....	Wasson.....	5	325	5.6	Sh..	St..	P. R.	M. & M.	Mc...	384,555
4	O'Gara Coal Co., No. 11.....	Harrisburg...	5	392	4.8	Sh..	St..	P. R.	M. & M.	Mc...	348,543
5	O'Gara Coal Co., No. 10.....	Eldorado.....	5	406	4.8	Sh..	St..	P. R.	M. & M.	Mc...	341,680
6	J. Dering Coal Co., No. 3.....	do.....	5	450	4.10	Sh..	St..	P. R.	M. & M.	Both.	341,314
7	O'Gara Coal Co., No. 1.....	Harrisburg...	5	311	5.6	Sh..	St..	P. R.	M. & M.	Mc...	316,731
8	Saline County Coal Co., No. 2	do.....	5	101	5.6	Sh..	St..	P. R.	M. & M.	Both.	255,623
9	Saline County Coal Co., No. 6	do.....	5	339	5.4	Sh..	St..	P. R.	M. & M.	Mc...	235,151
10	Harrisburg-Saline Col. Co., No. 15.....	do.....	5	58	5.6	Sh..	St..	P. R.	M. & M.	Mc...	222,865
11	O'Gara Coal Co., No. 8.....	Eldorado.....	5	333	4.8	Sh..	St..	P. R.	M. & M.	Mc...	194,932
12	Wasson Coal Co., No. 2.....	Carriers Mills.	5	40	5.0	Sl..	St..	P. R.	M. & M.	Mc...	176,351
13	Harrisburg Big Muddy Coal Co., No. 12.....	Harrisburg...	5	415	5.0	Sh..	St..	P. R.	M. & M.	Mc...	171,576
14	O'Gara Coal Co., No. 4.....	do.....	5	213	6.0	Sh..	St..	P. R.	M. & M.	Mc...	160,381
15	O'Gara Coal Co., No. 3.....	do.....	5	233	6.0	Sh..	St..	P. R.	M. & M.	Mc...	154,669
16	Harrisburg Big Muddy Coal Co., No. 14.....	do.....	5	137	4.6	Sh..	St..	P. R.	M. & M.	Mc...	143,390
17	Harrisburg Colliery Co.....	Harco.....	5	...	5.5	Sh..	St..	P. R.	Mule...	Mc...	54,385
18	Durham Coal Co., No. 1.....	Galatia.....	7	365	5.10	Sh..	St..	P. R.	Mule...	Hd...	40,396
19	Lone Star Coal Co.....	Carriers Mills.	5	47	5.2	Sh..	St..	P. R.	Mule...	Hd...	16,550
20	Dorrisville Coal Co.....	Dorrisville...	7	60	4.8	Sh..	St..	P. R.	Mule...	Both.	3,400
21	Elder & Bixler.....	Carriers Mills.	5	16	5.0	Sl..	St..	P. R.	Mule...	Hd...	3,176
22	Jess Allen.....	Equality.....	5	35	4.4	Sl..	St..	P. R.	Mule...	Hd...	2,500
23	W. J. Fife.....	Carriers Mills.	7	25	4.10	Sl..	Ho.	P. R.	Mule...	Hd...	1,500
24	Job Ingram.....	Harrisburg...	7	...	4.0	Dr.	Ho.	P. R.	Mule...	Hd...	1,150
25	Henry Biggs.....	Stonefort.....	7	18	4.0	Sh..	Ho.	P. R.	Mule...	Hd...	925
26	S. J. Moore.....	Equality.....	5	35	4.0	Dr.	Ho.	P. R.	Hand...	Hd...	800
27	R. L. Clemments.....	Mitchellville..	5	20	4.0	Sl..	Ho.	P. R.	Mule...	Hd...	700
28	Thomas Osburn.....	Equality.....	5	20	5.0	Dr.	Ho.	P. R.	Mule...	Hd...	650
29	John Reynolds.....	do.....	5	8	4.0	Dr.	Ho.	P. R.	Hand...	Hd...	598
30	Jess Rayner.....	Eagle.....	5	20	4.8	Dr.	Hd.	P. R.	Hand...	Hd...	480
31	Louis Dunn.....	Stonefort.....	7	25	3.8	Sl..	Ho.	P. R.	Hand...	Hd...	375
32	James Yates.....	Equality.....	5	10	4.4	Dr.	Hd.	P. R.	Mule...	Hd...	275
33	G. H. Dorris.....	Harrisburg...	5	50	4.0	Dr.	Ho.	P. R.	Mule...	Hd...	248
34	Davis & Hanald.....	Carriers Mills.	5	40	9.0	Sh..	Ho.	P. R.	Hand...	Hd...	160
35	Pat Ross.....	Stonefort.....	7	20	3.8	Dr.	Ho.	P. R.	Hand...	Hd...	150
36	John Yates.....	Equality.....	5	40	4.0	Sl..	Hd.	P. R.	Mule...	Hd...	100
37	Willis Henson.....	Harrisburg...	7	...	3.6	Sl..	Hd.	P. R.	Mule...	Hd...	70
38	J. T. Colbert.....	Derby.....	7	25	3.6	Dr.	Ho.	P. R.	Mule...	Hd...	42
39	Logan Dunn.....	Stonefort.....	7	25	3.8	Dr.	Hd.	P. R.	Hand...	Hd...	20
Total—39 mines.....											4,530,903
SANGAMON COUNTY.											
1	Madison Coal Corp., No. 6.....	Divernon.....	6	325	8.0	Sh..	St..	P. R.	M. & M.	Mc...	726,319
2	Chi., Wilm. & Franklin Coal Co., No. 1.....	Thayer.....	6	300	7.8	Sh..	St..	P. R.	M. & M.	Mc...	676,980
3	Springfield Dist. Coal Mining Co., No. 2.....	Riverton.....	6	238	5.9	Sh..	St..	P. R.	M. & M.	Hd...	500,517
4	Springfield Dist. Coal Mining Co., No. 4.....	Auburn.....	6	302	8.0	Sh..	S...	P. R.	M. & M.	Hd...	454,700

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
5	Jones & Adams Coal Co....	Springfield....	5	230	6.0	Sh.	St.	P. R.	Mule...	Hd...	450,455
6	Peabody Coal Co., No. 6....	Sherman.....	5	204	6.0	Sh.	St.	P. R.	M. & M.	Hd...	429,721
7	Chicago & Springfield C. Co.	Springfield....	5	220	6.0	Sh.	St.	P. R.	M. & C	Hd...	347,523
8	Wilcoxson C. & C. Co., No. 2	do.....	5	265	6.0	Sh.	St.	P. R.	Mule...	Hd...	330,339
9	Springfield Dist. Coal Mining Co., No. 5.....	do.....	5	250	5.9	Sh.	St.	P. R.	M. & M	Hd...	320,295
10	Springfield Dist. Coal Mining Co., No. 3.....	do.....	5	250	5.9	Sh.	St.	P. R.	M. & M.	Hd...	296,983
11	West End Coal Co.....	do.....	5	150	6.0	Sh.	St.	P. R.	M. & M.	Hd...	283,672
12	Citizens Coal Mining Co., B.	do.....	5	208	5.9	Sh.	St.	P. R.	M. & M.	Hd...	235,947
13	Montour Coal Co., No. 400	do.....	5	232	6.0	Sh.	St.	P. R.	M. & M.	Hd...	219,513
14	Peabody Coal Co., No. 5.....	Pana.....	5	320	7.0	Sh.	St.	P. R.	M. & M.	Hd...	213,612
15	Springfield Dist. Coal Mining Co., No. 7.....	Springfield....	5	240	5.6	Sh.	St.	P. R.	M. & M.	Hd...	213,201
16	Springfield Dist. Coal Mining Co., No. 1.....	do.....	5	204	5.10	Sh.	St.	P. R.	Mule...	Hd...	197,698
17	Springfield Co-operative Coal Co.....	do.....	5	250	5.10	Sh.	St.	P. R.	M. & M.	Hd...	191,800
18	Tuxhorn Coal Co.....	do.....	5	250	5.10	Sh.	St.	P. R.	M. & M.	Hd...	180,711
19	Auburn & Alton Coal Co....	Auburn.....	5	278	8.0	Sh.	St.	P. R.	M. & M.	Hd...	176,770
20	Spring Creek Coal Co.....	Springfield....	5	177	5.10	Sh.	St.	P. R.	Mule...	Hd...	143,463
21	Lincoln Park Coal & Brick Co.....	do.....	5	210	5.10	Sh.	St.	P. R.	Mule...	Hd...	98,846
22	Sangamon Coal Mining Co....	do.....	5	246	6.0	Sh.	St.	P. R.	M. & M.	Hd...	84,313
23	Citizens Coal Mining Co., A.	do.....	5	207	5.9	Sh.	St.	P. R.	M. & M.	Hd...	60,458
24	Athens-Dawson Coal Co....	Dawson.....	5	250	5.2	Sh.	St.	P. R.	Mule...	Hd...	58,507
25	Cantrall Coal Co.....	Cantrall.....	5	210	6.0	Sh.	St.	P. R.	M. & M.	Hd...	25,682
26	Number 12 Coal Co.....	Springfield....	5	180	5.5	Sh.	St.	P. R.	Mule...	Hd...	20,657
27	Citizens Coal Co.....	Pleasant Pl's.	3	110	6.0	Sh.	St.	P. R.	Mule...	Hd...	6,295
28	L. W. Herndon.....	do.....	3	108	6.0	Sh.	St.	P. R.	Hand...	Hd...	2,495
29	Watkins & Dabney.....	Farmingdale...	3	90	5.10	St.	St.	P. R.	Mule...	Hd...	1,775
Total—29 mines.....											6,948,648
SCHUYLER COUNTY.											
1	J. W. Wriston.....	Rushville....	5	50	6.0	Sl.	Ho.	P. R.	Hand...	Hd...	2,975
2	Merideth Bros.....	do.....	5	40	6.0	Sh.	Ho.	P. R.	Hand...	Hd...	2,500
3	J. R. Wriston.....	do.....	5	50	5.6	Sh.	Ho.	P. R.	Hand...	Hd...	1,800
4	Harry Settles.....	do.....	5	60	5.6	Sh.	Hd.	P. R.	Hand...	Hd...	1,800
5	Ray Hickerson.....	do.....	5	40	5.6	Sh.	Ho.	P. R.	Hand...	Hd...	1,750
6	J. K. Thompson.....	do.....	5	60	5.5	Sh.	Ho.	P. R.	Hand...	Hd...	1,500
7	E. E. Vogler.....	Littleton....	2	50	2.8	Dr.	Hd.	P. R.	Hand...	Hd...	1,080
8	Ross Porter.....	do.....	2	65	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	975
9	Cliff Spiller.....	Pleasantview.	2	40	2.8	Dr.	Hd.	P. R.	Hand...	Hd...	850
10	C. H. Price.....	Littleton....	2	...	2.8	Dr.	Hd.	P. R.	Hand...	Hd...	850
11	Ben Estes.....	Brooklyn....	2	60	3.2	Dr.	Hd.	P. R.	Hand...	Hd...	750
12	Simpson & Gory.....	Ray.....	2	60	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	655
13	George Rayborn.....	Frederick....	2	65	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	650
14	Wheelhouse & Tomlinson...	Rushville....	5	39	6.1	Ho.	Ho.	P. R.	Hand...	Hd...	540
15	Beard Bros.....	Ray.....	2	...	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	500
16	A. Gorden.....	Camden.....	2	65	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	480
17	F. W. Croxton.....	Pleasantview.	2	...	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	450
18	J. G. Passano.....	Ray.....	2	70	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	416
19	C. A. Tomlinson.....	Rushville....	2	40	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	350
20	E. Gex.....	Camden.....	2	70	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	350
21	William Vincent.....	Littleton....	2	70	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	335
22	Joe Henderlighter.....	Rushville....	2	60	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	260
23	France & Hish.....	Littleton....	2	...	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	260
24	Sherley & Stewart.....	Huntsville...	2	65	2.8	Dr.	Hd.	P. R.	Hand...	Hd...	250
25	A. Farree.....	Pleasantview.	2	50	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	233
26	William Cagle.....	do.....	2	...	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	225
27	Will Skiles.....	Littleton....	2	80	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	175
28	Simon Portwood.....	Birmingham.	2	100	2.4	Dr.	Hd.	P. R.	Hand...	Hd...	125
29	Alving, Hartford.....	Littleton....	2	75	2.6	Dr.	Hd.	P. R.	Hand...	Hd...	125
30	Miller & Stoneking.....	do.....	2	35	2.8	Dr.	Hd.	P. R.	Hand...	Hd...	125

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
31	Frank Clevenger.....	Brooklyn.....	2	40	2.6	Dr.	Hd.	P. R.	Hand..	Hd...	35
32	L. Mesic.....	Huntsville.....	2	30	2.4	Dr.	Hd.	P. R.	Hand..	Hd...	30
Total—32 mines.....											24,154
SCOTT COUNTY.											
1	G. W. Northrop.....	Alsey.....	2	60	2.6	Sl..	Hd.	P. R.	Hand..	Hd...	778
2	James J. Morris.....	Exeter.....	2	30	2.6	Dr.	Hd.	P. R.	Hand..	Hd...	650
3	Robert L. Brown.....	..do.....	2	50	2.6	Sl..	Hd.	P. R.	Hand..	Hd...	520
4	Charles Taylor.....	..do.....	2	90	2.6	Dr.	Hd.	P. R.	Hand..	Hd...	440
5	J. A. Jones.....	Winchester.....	2	50	2.6	Dr.	Hd.	P. R.	Hand..	Hd...	200
6	George Sellers.....	..do.....	2	50	2.6	Dr.	Hd.	P. R.	Hand..	Hd...	192
7	David Orchard.....	Exeter.....	2	35	2.6	Dr.	Hd.	P. R.	Hand..	Hd...	160
Total—7 mines.....											2,940
SHELBY COUNTY.											
1	Moweaqua C. M. & Mfg. Co., No. 1.....	Moweaqua.....	5	620	5.3	Sh.	St..	P. R.	M. & M.	Mc...	83,908
2	Tower Hill Coal Co., No. 1.....	Tower Hill.....	6	812	7.6	Sh.	St..	P. R.	Mule...	Hd...	5,124
3	Wm. Baum Coal Co., No. 4.....	Shelbyville.....	16	149	1.6	Sh.	St..	P. R.	Hand..	Hd...	2,300
4	Wm. Baum Coal Co., No. 6.....	..do.....	16	90	1.6	Sh.	St..	P. R.	Hand..	Hd...	2,200
5	John O'Brien.....	..do.....	5	40	2.0	Sh.	St..	P. R.	Hand..	Hd...	1,300
6	A. W. Smith.....	..do.....	5	60	2.0	Sh.	St..	P. R.	Hand..	Hd...	850
Total—6 mines.....											95,682
STARK COUNTY.											
1	Jesse Savill.....	Wyoming.....	6	...	4.0	Dr.	Hd.	P. R.	Hand..	Hd...	4,008
2	James Scott.....	..do.....	6	83	4.8	Sh.	Hd.	P. R.	Hand..	Hd...	2,120
3	T. T. McDaniel.....	..do.....	6	136	4.6	Sh.	St..	P. R.	Hand..	Hd...	1,970
4	Geo. D. Boardman.....	Toulon.....	6	39	4.6	Sh.	Ho.	P. R.	Hand..	Hd...	1,600
5	Alfred E. Catton.....	LaFayette.....	6	...	5.0	Dr.	Hd.	P. R.	Hand..	Hd...	400
6	W. J. Duncan.....	Neponset.....	6	56	4.4	Sh.	Ho.	P. R.	Hand..	Hd...	352
7	Mike Beeman.....	Wyoming.....	6	20	4.4	Sh.	Ho.	P. R.	Hand..	Hd...	120
8	Robert Bros.....	Bradford.....	6	...	4.0	Dr.	Hd.	P. R.	Hand..	Hd...	75
9	John Thorneycroft.....	Wyoming.....	6	25	3.10	Dr.	Hd.	P. R.	Hand..	Hd...	60
Total—9 mines.....											10,705
ST. CLAIR COUNTY.											
1	St. Louis & O'Fallon Coal Co., No. 2.....	E. St. Louis..	6	197	6.0	Sh.	St..	P. R.	Motor..	Mc...	842,875
2	Southern Coal, Coke & Mining Co., No. 8.....	Belleville.....	6	114	7.6	Sh.	St..	P. R.	M. & M.	Mc...	518,496
3	Consolidated Coal Co., No. 17.....	Collinsville.....	6	232	6.6	Sh.	St..	P. R.	M. & M.	Mc...	437,247
4	Prairie Coal Co.....	Belleville.....	6	212	6.6	Sh.	St..	P. R.	M. & M.	Hd...	307,188
5	Southern Coal, Coke & Mining Co., No. 17.....	..do.....	6	131	7.6	Sh.	St..	P. R.	M. & M.	Mc...	275,883
6	Kolb Coal Co., No. 2.....	Mascoutah.....	6	...	6.0	Sh.	St..	P. R.	M. & M.	Hd...	259,010
7	St. Ellen Coal Co.....	O'Fallon.....	6	200	7.0	Sh.	St..	P. R.	M. & M.	Hd...	256,544
8	St. Louis & O'Fallon Coal Co., No. 1.....	E. St. Louis..	6	100	6.0	Sh.	St..	P. R.	Motor..	Hd...	184,600
9	Superior Coal Co.....	Belleville.....	6	160	6.6	Sh.	St..	P. R.	M. & M.	Mc...	183,607
10	Eldnar Coal Co.....	..do.....	6	155	7.0	Sh.	St..	P. R.	Mule...	Both.	166,123
11	Suburban Coal & Mining Co., Carbon.....	..do.....	6	170	6.0	Sh.	St..	P. R.	M. & M.	Hd...	156,356
12	International Coal & Mining Co., Carbon.....	O'Fallon.....	6	190	7.6	Sh.	St..	P. R.	M. & M.	Mc...	127,324
13	Mulberry Hill Coal Co.....	Freeburg.....	6	150	7.9	Sh.	St..	P. R.	Mule...	Mc...	118,109
14	Columbia Coal Co.....	Belleville.....	6	175	7.0	Sh.	St..	P. R.	M. & M.	Mc...	116,635
15	International Coal & Mining Co., Taylor.....	O'Fallon.....	6	190	7.0	Sh.	St..	P. R.	M. & M.	Hd...	115,307

TABLE 38—Continued.

Number.	Name of operator.	Post-office address or mines.	Geological number of seam.	Physical character of mines.							Total tons.
				Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
16	Koib Coal Co., No. 1.....	Maseoutah...	6	212	6.0	Sh.	St.	P. R.	M. & M.	Hd.	112,972
17	Star Coal Co., Star.....	Freeburg.....	6	80	6.6	Sh.	St.	P. R.	Mule...	Me...	103,254
18	Egyptian C. & M. Co.....	Marissa.....	6	190	6.6	Sh.	St.	P. R.	Mule...	Both.	100,836
19	Victoria Coal Co.....	Belleville.....	6	70	6.0	Sh.	St.	P. R.	M. & M.	Both.	92,811
20	Southern Coal, Coke & Mining Co., Avery.....	do.....	6	....	6.0	Sh.	St.	P. R.	Mule...	Hd...	91,260
21	Koib Coal Co., Faribanks.....	New Athens...	6	....	6.0	Sh.	St.	P. R.	M. & M.	Hd...	88,245
22	Jones Bros. Coal & Mining Co., No. 1.....	Marissa.....	6	120	6.6	Sh.	St.	P. R.	M. & C.	Hd...	82,983
23	Aben Coal Co.....	Belleville.....	6	110	6.6	Sh.	St.	P. R.	M. & C.	Hd...	65,192
24	Golden Rule Coal Co.....	Lenzburg.....	6	56	6.10	Sh.	St.	P. R.	Mule...	Hd...	63,982
25	Fullerton Coal Co.....	Belleville.....	6	165	6.0	Sh.	St.	P. R.	Mule...	Hd...	63,150
26	Forsythe Coal Co.....	Marissa.....	6	120	6.6	Sh.	St.	P. R.	M. & M.	Hd...	57,526
27	H. E. Miller.....	Caseyville.....	6	189	6.6	Sh.	St.	P. R.	Mule...	Hd...	55,456
28	White Coal Co.....	Belleville.....	6	85	7.0	Sh.	St.	P. R.	Mule...	Hd...	55,104
29	Northern Coal Co.....	Millstadt.....	6	6	6.0	St.	St.	P. R.	Mule...	Hd...	54,896
30	Pittsburg Mining Co.....	Belleville.....	6	135	6.6	Sh.	St.	P. R.	Mule...	Hd...	48,061
31	White-Sergeant Coal Co.....	Rentehler.....	6	....	6.6	Sh.	St.	P. R.	Motor...	Hd...	47,143
32	Summit Coal & Mining Co.....	Belleville.....	6	180	7.0	Sh.	St.	P. R.	Hd...	Hd...	47,096
33	New National.....	do.....	6	60	5.10	Sh.	St.	P. R.	Mule...	Hd...	44,222
34	Guest Coal Co.....	do.....	6	180	6.10	Sh.	St.	P. R.	Mule...	Hd...	42,875
35	Oakdale Coal & Mining Co.....	do.....	6	120	6.0	Sh.	St.	P. R.	M. & M.	Hd...	36,762
36	Groom Coal Co.....	do.....	6	100	7.0	Sh.	St.	P. R.	M. & M.	Hd...	32,863
37	Lenzburg Coal Co.....	Lenzburg.....	6	85	7.0	Sh.	St.	P. R.	M. & M.	Hd...	32,179
38	Glendale C. & M. Co.....	Freeburg.....	6	120	6.0	Sh.	St.	P. R.	Mule...	Hd...	31,405
39	Highland Coal Co.....	Belleville.....	6	120	6.0	Sh.	St.	P. R.	Mule...	Hd...	27,022
40	Koib Coal Co., V. H.....	New Athens...	6	....	6.0	Sh.	St.	P. R.	M. & M.	Hd...	24,262
41	Jack Run Coal Co.....	Freeburg.....	6	124	6.0	Sh.	St.	P. R.	Mule...	Hd...	23,907
42	Peoples Coal Co.....	Lebanon.....	6	200	4.6	Sh.	St.	P. R.	Mule...	Me...	22,747
43	New Freeburg Coal Co.....	Freeburg.....	6	120	6.0	Sh.	St.	P. R.	Mule...	Hd...	12,794
44	Radium Coal Co.....	Belleville.....	6	60	6.0	Sh.	St.	P. R.	Mule...	Hd...	10,000
45	W. L. Scott Coal Co.....	do.....	6	100	6.6	Sh.	St.	P. R.	Mule...	Hd...	9,084
46	Southern Coal Coke & Mining Co., No. 5.....	do.....	6	119	6.0	Sh.	St.	P. R.	Mule...	Hd...	6,093
47	Enterprise Collieries Co.....	Rentehler.....	6	110	6.0	Sh.	St.	P. R.	Motor...	Hd...	930
48	Wm. Lattman.....	Belleville.....	6	60	6.6	Sh.	St.	P. R.	Mule...	Hd...	20,871
49	Tower Grove Coal Co.....	Tower Grove...	6	150	7.0	Sh.	St.	P. R.	Hd...	Hd...	15,210
50	R. Schramm & Son.....	Belleville.....	6	51	6.0	Sh.	St.	P. R.	Mule...	Hd...	13,992
51	Bretz & Schilling.....	do.....	6	107	6.0	Sh.	St.	P. R.	Mule...	Hd...	8,751
52	Fullmer Coal Co.....	New Athens...	6	66	6.6	Sh.	St.	P. R.	Hd...	Hd...	7,600
53	John T. Beatty.....	Maseoutah...	6	160	7.0	Sh.	St.	P. R.	Mule...	Hd...	7,363
54	Aloys Gundlach.....	Caseyville.....	6	....	6.0	Sh.	St.	P. R.	Mule...	Hd...	5,863
55	J. W. McGough.....	Marissa.....	6	60	6.6	Sh.	St.	P. R.	Mule...	Hd...	5,000
56	A. J. Marxer.....	Millstadt.....	6	47	6.3	Sh.	Ho.	P. R.	Hd...	Hd...	4,752
57	Wm. Pistor.....	do.....	6	44	6.0	Sh.	St.	P. R.	Hd...	Hd...	2,987
58	Aug. C. Stahlheber.....	Freeburg.....	6	52	6.0	St.	Ho.	P. R.	Mule...	Hd...	2,864
59	Lippert & Shore.....	Millstadt.....	6	45	6.0	Sh.	St.	P. R.	Hd...	Hd...	2,652
60	John Buxton.....	Egmont.....	6	....	5.6	Dr.	Ho.	P. R.	Mule...	Hd...	2,200
61	Fred Quirin & Son.....	Smithton.....	6	18	6.0	St.	Ho.	P. R.	Hd...	Hd...	1,781
62	A. Bosanko.....	Belleville.....	6	40	6.0	St.	Ho.	P. R.	Mule...	Hd...	1,048
63	Fred J. Ziska.....	E. St. Louis..	6	....	7.0	Dr.	Ho.	P. R.	Mule...	Hd...	300
Total—63 mines.....											5,755,650
Tazewell County.											
1	Groveland M. Co., No. 1.....	Peoria.....	5	80	4.6	Sh.	St.	P. R.	M. & M.	Both.	217,491
2	Tazewell Coal Co.....	Pekin.....	5	165	4.8	Sh.	St.	P. R.	M. & M.	Me...	146,627
3	Ubben Coal Co.....	do.....	5	90	5.0	Sh.	St.	P. R.	Mule...	Both.	29,000
4	Lake Erie C. & M. Co.....	Peoria.....	5	....	4.4	St.	St.	P. R.	C. & M.	Hd...	27,883
5	Urbandale Coal Co.....	E. Peoria.....	5	5	4.2	Sh.	St.	P. R.	Mule...	Hd...	9,339
6	Manhattan Coal Co.....	do.....	5	53	4.2	Sh.	St.	P. R.	Mule...	Hd...	12,800
7	David Grant & Co.....	Pekin.....	5	100	4.8	Sh.	St.	P. R.	Mule...	Hd...	11,600
8	Fred Seifer.....	E. Peoria.....	5	....	5.0	Dr.	Ho.	P. R.	Hd...	Hd...	640
9	Giebelhausen Coal Co.....	do.....	5	100	4.0	Sh.	St.	P. R.	Mule...	Hd...	500
Total—9 mines.....											430,340

TABLE 38—Continued.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shalt, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar, and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
WILL COUNTY.											
1	Wilmington Coal Mining & Mfg. Co., No. 6.....	Torino.....	2	100	3.0	Sh.	St.	L. W.	Mule...	Hd...	70,462
2	Oswald & Young.....	Braidwood.....	2	60	3.0	Sh.	St.	L. W.	Mule...	Hd...	14,610
Total—2 mines.....											85,070
WILLIAMSON COUNTY.											
1	W. P. Rend Coal & Coke Co., No. 2.....	Herrin.....	7	215	9.0	Sh.	St.	P. R.	M. & M.	Both.	702,304
2	Johnston City Coal Co.....	Johnston City.....	6	225	9.0	Sh.	St.	P. R.	M. & M.	Both.	636,262
3	Peabody Coal Co.....	Marion.....	6	108	9.0	Sh.	St.	P. R.	M. & M.	Both.	627,400
4	Madison Coal Corp., No. 9.....	Dewmaine.....	6	118	7.6	Sh.	St.	P. R.	M. & M.	Both.	564,954
5	Chicago & Cartersville Coal Co., A.....	Herrin.....	6	180	9.0	Sh.	St.	P. R.	M. & M.	Both.	522,373
6	Big Muddy Coal & Iron Co., No. 8.....	Clifford.....	6	170	9.0	Sh.	St.	P. R.	M. & M.	Mc...	491,388
7	Madison Coal Corp., No. 8.....	Dewmaine.....	6	100	7.6	Sh.	St.	P. R.	M. & M.	Both.	482,079
8	Big Muddy Coal & Iron Co., No. 7.....	Herrin.....	6	148	9.0	Sh.	St.	P. R.	M. & M.	Hd...	481,278
9	Searls Coal Co.....	Johnston City.....	6	276	.....	Sh.	St.	P. R.	M. & M.	Mc...	464,313
10	Consolidated Coal Co., L. C.....	do.....	5	320	10.0	Sh.	St.	P. R.	M. & M.	Hd...	458,043
11	T. G. Warden Coal Co.....	Herrin.....	6	150	7.6	Sh.	St.	P. R.	M. & M.	Both.	395,070
12	Western Coal & Mining Co.....	Bush.....	7	118	9.6	Sh.	St.	P. R.	M. & M.	Hd...	281,402
13	Chicago & Big Muddy Coal & Coke Co., No. 1.....	Marion.....	6	100	9.0	Sh.	St.	P. R.	M. & M.	Mc...	280,900
14	Taylor Mining Co., No. 2.....	Herrin.....	6	160	8.0	Sh.	St.	P. R.	Motor...	Hd...	277,823
15	West Virginia Coal Co., No. 1.....	Marion.....	6	108	6.8	Sh.	St.	P. R.	M. & M.	Mc...	273,067
16	Chicago & Cartersville Coal Co., B.....	Herrin.....	6	246	9.0	Sh.	St.	P. R.	M. & M.	Hd...	264,759
17	Seranton & Big Muddy Coal Mining Co.....	Marion.....	6	.....	7.0	Sh.	St.	P. R.	Mule...	Mc...	247,638
18	Big Muddy Fuel Co.....	Johnston City.....	6	120	7.6	Sh.	St.	P. R.	M. & M.	Both.	243,992
19	Pond Creek Coal Co.....	Herrin.....	6	240	9.0	Sh.	St.	P. R.	M. & M.	Both.	226,882
20	Hafer Washed Coal Co.....	Cartersville.....	6	120	9.0	Sh.	St.	P. R.	M. & M.	Hd...	223,721
21	Pratt Bros.....	Herrin.....	7	165	9.0	Sh.	St.	P. R.	M. & M.	Hd...	201,331
22	Taylor Mining Co., No. 1.....	do.....	6	50	8.0	Sh.	St.	P. R.	Motor...	Hd...	196,537
23	Duncan Coal Co.....	do.....	6	100	9.0	Sh.	St.	P. R.	M. & M.	Hd...	161,802
24	Williamson County Coal Co.....	Johnston City.....	6	165	8.0	Sh.	St.	P. R.	M. & M.	Hd...	158,746
25	Ernest Coal Co.....	do.....	6	235	10.0	Sh.	St.	P. R.	Motor...	Mc...	145,651
26	Taylor Mining Co., No. 3.....	Herrin.....	6	150	8.0	Sh.	St.	P. R.	Mule...	Hd...	132,476
27	Cartersville Big Muddy Coal Co.....	Cambria.....	6	93	9.0	Sh.	St.	P. R.	M. & M.	Hd...	109,204
28	New Enterprise Coal Co.....	Marion.....	6	20	7.0	Sh.	St.	P. R.	M. & M.	Hd...	99,665
29	Federal Coal Co., No. 25.....	Cartersville.....	6	100	7.6	Sh.	St.	P. R.	M. & M.	Hd...	89,324
30	Johnston City Washed Coal Co.....	Whiteash.....	6	98	7.0	Sh.	St.	P. R.	Mule...	Both.	76,832
31	Ridge Coal Mining Co.....	Marion.....	6	60	8.0	Sh.	St.	P. R.	Mule...	Hd...	54,584
32	Marion & Pittsburg Coal Co.....	Pittsburg.....	6	210	7.0	Sh.	St.	P. R.	M. & M.	Mc...	30,162
33	Henderson & Wallace C. Co.....	Marion.....	6	78	6.0	Sh.	St.	P. R.	Mule...	Mc...	17,718
34	Lewis Coal Co.....	do.....	6	40	8.0	Sh.	St.	P. R.	Mule...	Hd...	9,000
35	E. Lewis is Coal Co.....	do.....	6	40	8.6	Sh.	St.	P. R.	Mule...	Hd...	6,000
36	J. W. Stalcup.....	Cartersville.....	5	61	4.0	Sh.	St.	P. R.	Mule...	Hd...	10,000
37	W. H. Johns.....	do.....	1	130	9.8	Sl.	St.	P. R.	Mule...	Hd...	10,000
38	Young Bros.....	do.....	5	50	4.0	Sh.	St.	P. R.	Mule...	Hd...	4,017
39	E. McClanahan.....	Marion.....	6	30	9.0	Sh.	St.	P. R.	Hand...	Hd...	3,705
40	F. E. Rentfro.....	Crab Orchard.....	5	120	4.6	Sl.	St.	P. R.	Mule...	Hd...	1,600
41	John W. Harris.....	do.....	5	14	4.6	Sl.	Ho.	P. R.	Mule...	Hd...	800
42	Handkins & Sims.....	Marion.....	6	15	4.6	Sl.	Ho.	P. R.	Mule...	Hd...	600
43	Thos. E. Lewis.....	Cartersville.....	6	30	7.0	Sl.	St.	P. R.	Mule...	Hd...	600
44	C. M. Bridis.....	Marion.....	7	35	7.0	Sl.	St.	P. R.	Hand...	Hd...	300
Total—44 mines.....											9,666,302

TABLE 38—Concluded.

Number.	Name of operator.	Post-office address of mine.	Physical character of mines.								Total tons.
			Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches	Shaft, slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	
WOODFORD COUNTY.											
1	Roanoke Coal Co.	Roanoke.....	3	480	2.8	Sh.	St..	L. W.	Mule....	Both..	132,811
2	Minonk Coal Co.	Minonk.....	2	550	3.0	Sh.	St..	L. W.	Mule....	Hd....	68,787
Total—2 mines											201,598

Table 39 summarizes the physical characteristics and shows the tons of coal taken from each seam.

TABLE 39—SUMMARY OF THE PHYSICAL CHARACTERISTICS OF THE MINES.

Geological number of seam.	Number of counties.	Number of mines.	Manner of working.			Character of opening.			Tons.
			Long wall.	Pillar and room.	Strip.	Shaft.	Slope.	Drift.	
1 and 2.....	1	2	.....	2	.....	2	.....	.....	334,210
1.....	9	33	.....	33	.....	18	12	3	409,402
2.....	17	140	20	116	4	51	21	68	4,255,970
3.....	6	11	.....	11	.....	9	.....	2	162,742
5.....	21	239	2	237	.....	123	44	72	19,649,024
6.....	28	302	1	299	2	245	37	20	51,440,535
7.....	8	81	.....	79	2	30	12	39	2,727,144
16.....	1	2	.....	2	.....	2	.....	.....	4,500
Total.....	51	810	23	779	8	480	126	204	78,983,527

FATAL ACCIDENTS.

Table 40 shows in alphabetical order the names of the persons accidentally killed in discharge of duty in and about the coal mines of the State. The age, occupation, conjugal relation, nativity, cause and date of death, name and location of mine are shown in each instance.

TABLE 40.—FATAL ACCIDENTS—NAME, AGE, OCCUPATION, CONJUGAL RELATION, NATIVITY, DATE AND CAUSE OF DEATH, NAME AND LOCATION OF COLLIERY.

Name.	Age.	Occupation.	Married—M. Single—S.	Conjugal relation.	Nativity.	Cause of death.	Date of death.	Name of colliery.	Postoffice address of mine.	County in which mine is located.
Adams, Ezra.....	38	Laborer.....	M	1	1 America.....	Gas explosion.....	June	2 W. P. Rend Col. Co.....	Herrin.....	Williamson.
Adams, Floyd.....	23	do.....	M	1	2 do.....	Asphyxiated.....	Dec.	8 Johnston City Coal Co.....	Johnston City.....	Williamson.
Allen, Wm. J.....	47	do.....	M	5	6 do.....	Engine.....	Feb.	19 Illinois Fuel Co, No. 4.....	Sparta.....	Williamson.
Ambrosia, Mro.....	32	Loader.....	S	3	Italy.....	Falling coal.....	Dec.	22 Peabody Coal Co., No. 8.....	Kincaid.....	Christian.
Arthur, James.....	65	Miner.....	M	3	2 America.....	Pit car.....	Mar.	31 Lincoln Coal Mining Co.....	Lincoln.....	Christian.
Baird, All. W.....	35	do.....	M	2	3 do.....	Falling slate.....	Apr.	10 Jackson Coal Co.....	Hallidayboro.....	Logan.
Barlow, Tom.....	18	Coupler.....	S	2	do.....	Pit car.....	Feb.	16 Williamson County Coal Co.....	Johnston City.....	Jackson.
Barnabe, Primo.....	27	Miner.....	S	1	Italy.....	Falling rock.....	Jan.	4 LaSalle Co. C. & C. Co., No. 5.....	Cedar Point.....	Williamson.
Baty, Earnest.....	23	Driver.....	M	1	2 America.....	Pit car.....	Feb.	26 O'Gara Coal Co., No. 11.....	Harrisburg.....	LaSalle.
Baumann, John.....	30	Machine runner.....	S	1	do.....	Falling slate.....	Nov.	10 Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	Saline.
Benedict, George.....	26	Driver.....	M	2	3 do.....	Pit car.....	Oct.	8 Taylor Mining Co., No. 1.....	Herrin.....	Macoupin.
Benn, Chester.....	28	Miner.....	S	2	do.....	Falling rock.....	Mar.	31 Brewster & Evans Coal Co.....	Peoria.....	Williamson.
Berger, Walter.....	18	Driver.....	S	2	do.....	Pit car.....	Mar.	19 Eldhar Coal Co.....	Bellville.....	St. Clair.
Berhar, S. J.....	42	Timberman.....	M	5	6 Germany.....	Electrocuted.....	Mar.	18 Johnston City Coal Co.....	Johnston City.....	Williamson.
Berr, John.....	20	Miner.....	S	1	Italy.....	Falling coal.....	Aug.	9 B. F. Berry Coal Co.....	Standard.....	Putnam.
Bettis, Floyd R.....	19	Loader.....	S	1	1 America.....	Pit car.....	Nov.	30 United States Fuel Co.....	Benton.....	Franklin.
Billard, Wm.....	24	Cager.....	M	1	2 do.....	Falling rock.....	July	8 St. Paul Coal Co.....	Cherry.....	Bureau.
Block, Herman.....	39	Foreman.....	M	5	6 Germany.....	Railroad car.....	Mar.	24 Maplewood Coal Co., No. 1.....	Farmington.....	Fulton.
Bogatti, Martin.....	22	Driver.....	S	2	Italy.....	do.....	Aug.	21 Shoal Creek Coal Co., No. 4.....	Panama.....	Montgomery.
Bonacorsi, Dinestro.....	29	do.....	S	5	6 England.....	Falling clod.....	Oct.	10 United States Fuel Co., No. 4.....	Westville.....	Vermillion.
Bowen, Le-weln.....	45	Miner.....	M	5	do.....	Pit car.....	Oct.	25 Nokomis Coal Co.....	O'Fallon.....	St. Clair.
Bowers, Fred.....	21	Trip rider.....	S	1	1 do.....	Falling clod.....	Oct.	28 Nokomis Coal Co.....	Nokomis.....	Montgomery.
Brod, Henry.....	45	Miner.....	M	1	do.....	Falling clod.....	June	13 St. Louis & O'Fallon Coal Co., No. 2.....	O'Fallon.....	St. Clair.
Brynn, Thomas.....	24	Motorman.....	S	1	do.....	do.....	Apr.	30 Royal Colliery Co.....	Virdeu.....	Macoupin.
Burke, Thomas M.....	35	Miner.....	M	1	2 do.....	Falling coal.....	Apr.	9 Penwell Coal Co.....	Para.....	Christian.
Calloun, Walter.....	30	Mine examiner.....	M	1	do.....	Gas explosion.....	May	2 Saline County Coal Co., No. 6.....	Grayson.....	Saline.
Cambrozia, Tony.....	32	Machine runner.....	S	2	Italy.....	Falling slate.....	June	1 Peabody Coal Co., No. 7.....	Kincaid.....	Christian.
Cantelli, Victor.....	32	Miner.....	S	2	do.....	Falling coal.....	Nov.	21 St. Paul Coal Co., No. 2.....	Cherry.....	Bureau.
Cantrell, John.....	30	do.....	S	3	1 America.....	Falling slate.....	Aug.	25 Athens Coal Co.....	Athens.....	Menard.
Caravana, Charles.....	34	Laborer.....	M	3	4 Italy.....	Falling rock.....	Nov.	1 St. Paul Coal Co., No. 1.....	Granville.....	Putnam.

TABLE 40—Continued.

Name.	Age.	Occupation.	Conjugal relation.		Nativity.	Cause of death.	Date of death.	Name of colliery.	Postoffice address of mine.	County in which mine is located.
			Single—M.	Number of children.	Number of dependents.					
Cast, Gus.....	25	Shot firer.....	M	1	2	America.....	Flying coal.....	Sept. 3	Kolb Coal Co., No. 1.....	St. Clair.
Clerker, Henry.....	39	Trip rider.....	S	1	2	France.....	Pit car.....	Mar. 15	Peabody Coal Co., No. 8.....	Christian.
Cokenour, G. E.....	22	do.....	M	1	1	America.....	Falling roof.....	Mar. 29	Brewster & Evans Coal Co.....	Peoria.
Coleman, Samuel.....	32	Driver.....	M	5	6	do.....	Kicked by mule.....	May 9	Franklin Coal & Coke Co., No. 2.....	Franklin.
Connelly, Jas. H.....	26	Miner.....	M	1	1	do.....	Falling coal.....	Feb. 13	J. B. Schimpf, No. 2.....	Jackson.
Cornell, Robert.....	32	Cager.....	S	1	1	do.....	Pit car.....	May 14	Taylor Colliery Co., No. 6.....	Franklin.
Covi, Max.....	22	Miner.....	S	1	1	Austria.....	Pit of cage.....	Dec. 18	Superior Coal Co., No. 1.....	Macoupin.
Crain, Arlie.....	25	Laborer.....	M	1	2	America.....	Railroad cars.....	Jan. 4	Taylor Mining Co., No. 2.....	Williamson.
Crowder, John.....	27	Trip rider.....	M	1	2	do.....	Falling slate.....	Apr. 23	Consolidated Coal Co., No. 14.....	Macoupin.
Davis, George W.....	24	do.....	M	2	3	do.....	Pit cars.....	Nov. 31	Johnston City Coal Co.....	Williamson.
Deaton, Harry.....	23	Driver.....	M	1	3	do.....	Falling roof.....	Mar. 31	Illinois Fuel Co., No. 4.....	Randolph.
Deaton, Elmer.....	25	Trip rider.....	M	1	1	do.....	Pit cars.....	Dec. 18	Saline County Coal Co., No. 3.....	Saline.
Deffenback, Fred.....	52	Shot firer.....	M	4	1	Germany.....	Shot explosion.....	Sep. 7	West End Coal Co.....	Sangamon.
Demistree, John.....	66	Miner.....	M	1	1	do.....	Pit car.....	May 5	Chicago-Carterville Coal Co., B.....	Williamson.
Destro, Alex.....	30	do.....	S	1	1	Slavonia.....	do.....	Oct. 11	Sesser Coal Co.....	Franklin.
Deu Carpentier, Adolph.....	47	Loader.....	S	2	2	France.....	do.....	Feb. 7	United Coal Corporation, No. 2.....	Franklin.
Dickey, John G.....	48	Assistant mine manager.....	S	2	2	America.....	Falling slate.....	Dec. 9	Moffat Coal Co.....	Randolph.
Divita, Andrew.....	17	Laborer.....	S	3	3	do.....	Railroad cars.....	Sept. 21	Superior Coal Co., No. 2.....	Macoupin.
Dougherty, Charles.....	44	do.....	S	3	3	do.....	Pit car.....	Dec. 16	Superior Coal Co., No. 3.....	Macoupin.
Doyle, Peter.....	50	do.....	M	2	3	do.....	Falling coal.....	May 2	Old Ben Coal Corp., No. 9.....	Franklin.
Dudash, Andrew.....	34	Assistant mine manager.....	M	2	2	Hungary.....	Pit cars.....	June 2	Bell & Zoller Mining Co.....	Franklin.
Dyer, Elmer.....	35	Machine runner.....	M	1	2	America.....	Falling coal.....	Jan. 17	Peabody Coal Co., No. 21.....	Christian.
Easton, Joseph B.....	23	Miner.....	M	1	1	do.....	Gas explosion.....	May 12	Saline County Coal Co., No. 6.....	Saline.
Easton, Walter.....	17	do.....	S	1	1	do.....	Pit cars.....	May 12	do.....	Saline.
Edwards, John.....	27	Driver.....	S	1	2	do.....	Falling slate.....	Dec. 10	W. P. Rend Colliery Co.....	Franklin.
Elethorn, Louis.....	29	Miner.....	M	1	2	do.....	Pit cars.....	July 19	St. Louis & O'Fallon Coal Co., No. 2.....	East St. Louis.
Elliot, Virgil.....	18	Driver.....	S	3	4	do.....	Pit car.....	Apr. 23	United States Fuel Co., Verm.....	St. Clair.
Ester, John.....	46	Loader.....	M	3	4	do.....	Electrocuted.....	Jan. 13	Eldorado Coal Mining Co.....	Vermilion.
Foscal, Peter.....	42	Machine runner.....	S	1	1	America.....	Pit car.....	Oct. 9	United States Fuel Co., Verm.....	Saline.
Foster, Thomas.....	21	Miner.....	S	1	1	do.....	Gas explosion.....	Dec. 14	John A. Logan Coal Co.....	Franklin.
Fiar, Albert.....	37	Machine helper.....	S	1	1	Germany.....	Falling coal.....	Feb. 28	W. P. Rend Coal Co., No. 2.....	Franklin.
Fugitt, Vint.....	39	Electrician.....	M	1	1	America.....	Electrocuted.....	Jan. 17	O'Gara Coal Co., No. 3.....	Saline.
Gamber, Joe.....	30	Trip rider.....	S	1	1	Italy.....	Falling coal.....	Mar. 14	Christopher C. M. Co., No. 1.....	Franklin.

Gartner, Henry	38	Machine runner	M	4	5	America	Electrocuted	Nov.	23	C. & E. I. Coal Prop., No. 11	Hillsboro	Montgomery
Gassage, John	30	Laborer	S	3	do.	do.	Gas explosion	June	2	W. P. Rand C. & C. Co., No. 2	Herrin	Williamson
Gatell, John	32	Machine helper	M	3	Italy	do.	Falling coal	Mar.	3	Royal Culberty Co.	Virton	Macopin
Gelonek, Frew	62	Miner	M	1	Germany	Pit cars	do.	Nov.	25	Deatur Coal Co.	Deatur	Macopin
Geurich, Henry	56	Miner	S	2	Austria	Pit cars	do.	July	6	Sesser Coal Co.	Sesser	Franklin
Gerowich, Andrew	18	Laborer	S	2	America	Motor	do.	Jan.	8	Springfield Dist. C. M. Co., No. 3	Springfield	Sangamon
Gilbert, Frank	32	Timberman	M	4	1	America	Falling coal	June	11	United States Fuel Co.	Benton	Franklin
Good, J. S.	32	Laborer	M	4	1	do.	Gas explosion	June	2	W. P. Rand C. & C. Co., No. 2	Herrin	Williamson
Gorski, John	46	do.	M	1	5	Poland	Falling rock	Aug.	23	LaSalle Co. C. & C. Co., No. 1	LaSalle	LaSalle
Graves, John H.	46	do.	M	1	2	America	Flying coal	Aug.	27	Carlinville Coal Co.	Carlinville	Macopin
Griffith, Lon	27	Driver	M	3	do.	Pit car	do.	Nov.	16	W. P. Rand Colliery Co.	Reid	Franklin
Grimes, Frank	21	Motorman	S	1	do.	do.	do.	Dec.	23	Saline County Coal Co., No. 3	Harrisburg	Saline
Grimes, Ira	57	Trackman	M	1	do.	do.	do.	Oct.	10	Old Ben Mining Corp., No. 5	W. Frankfort	Franklin
Haddow, Robert	24	Driver	M	3	do.	do.	do.	July	28	Superior Coal Co., No. 3	Gillespie	Macopin
Hallor, John	39	Miner	S	2	Groatia	Falling slate	do.	Feb.	14	Consolidated Coal Co., No. 7	Stanton	Macopin
Hamilton, Robert	19	Driver	M	4	America	Pit car	do.	Mar.	11	do.	do.	Macopin
Harris, Alexander	31	Machine runner	M	3	5	Scotland	Fallings slate	Oct.	1	Superior Coal Co., No. 1	Gillespie	Macopin
Harris, George	39	Timberman	M	3	1	America	Pit cars	May	12	C. & E. I. Coal Prop., No. 14	Witt	Macopin
Harris, James	48	Miner	S	2	Scotland	Falling slate	do.	Dec.	2	Superior Coal Co., No. 1	Gillespie	Macopin
Harris, Ralph	21	Trip rider	M	3	America	Motor	do.	Dec.	9	Franklin C. & C. Co., No. 1	Royalton	Franklin
Helger, William	36	Machine runner	M	1	1	America	Falling coal	Feb.	31	Donk Bros. C. & C. Co., No. 2	Marville	Madison
Hill, Thomas	62	Miner	M	4	1	England	Falling slate	Mar.	28	C. & E. I. Coal Prop., No. 12	Witt	Macopin
Hodge, Fins	35	Laborer	M	4	5	America	Pit car	June	7	Peabody Coal Co., No. 3	Marion	Williamson
Holestia, Otto	20	Driver	S	2	do.	do.	do.	Dec.	20	Searls Coal Co.	Johnston City	Williamson
Hoot, Hiram	36	Machine runner	M	5	6	do.	Falling slate	Dec.	2	Consolidated Coal Co., No. 17	Collinsville	St. Clair
Hopwood, Fred	35	Driver	M	1	2	do.	Kicked by mule	May	31	Southern C. & M. Co., No. 1	Belleville	St. Clair
Humphrey, Claude	28	Miner	M	1	do.	do.	Gas explosion	May	12	Saline County Coal Co., No. 6	Grayson	Saline
Hunt, Herbert	40	Timberman	M	3	do.	do.	Falling prop.	May	20	Wilcoxon Coal & Coke Co.	Springfield	Sangamon
Iackson, Fred	19	Coupler	S	2	do.	Pit car	do.	Jan.	24	Consolidated Coal Co., No. 11	Stanton	Macopin
Jacometti, Virgilio	31	Trip rider	M	2	Italy	Falling slate	do.	Apr.	3	Shoal Creek Coal Co.	Panama	Macopin
Jenkins, Robert	20	do.	M	1	1	America	do.	Aug.	15	Paradise Coal Co.	Monrovia	Perry
Jenkins, Truman	26	do.	M	1	do.	Pit cars	do.	May	25	Wasson Coal Co., No. 1	Wasson	Saline
Johnson, Arthur	27	Loader	S	1	do.	Falling coal	do.	Mar.	12	O'Gara Coal Co., No. 3	Harrisburg	Saline
Kariss, Ophelo	39	Laborer	M	5	6	Lithuania	Asphyxiated	Dec.	8	Johnston City Coal Co.	Johnston City	Williamson
Kasler, Mike	46	Miner	S	1	1	do.	Falling slate	July	23	Searls Coal Co.	do.	Williamson
Keller, William	34	do.	M	1	2	America	Pit cars	Nov.	2	Chicago-Big Muddy C. & C. Co.	Marion	LaSalle
Kelly, Frank	40	do.	M	1	1	Austria	Falling rock	Mar.	15	LaSalle Co. C. & C. Co., Union	Peru	LaSalle
Kirk, James R.	42	Shot firer	M	3	4	America	Shot explosion	May	29	Federal Coal Co.	Carlerville	Williamson
Kobelman, Nicholas	31	Miner	M	5	6	Slavonia	Falling slate	Apr.	6	Kerns-Donnewald Coal Co.	Warden	Madison
Korco, Louis	45	do.	S	1	1	Hungary	Motor	Dec.	22	Christophor C. M. Co., No. 2	Christophor	Franklin
Kramersie, L.	39	do.	M	4	5	Austria	Flying coal	May	8	M. & H. Zinc Co.	LaSalle	LaSalle
Kraus, John	46	Timberman	M	5	6	Germany	Falling slate	May	9	Lincoln Mining Co.	Lincoln	Logan
Lavy, Evert	38	Laborer	M	1	2	America	Pit car	Feb.	7	Pond Creek Coal Co.	Herrin	Williamson
Leilek, Andrew	44	Machine helper	M	3	4	Austria	Machine	Dec.	9	Tazewell Coal Co.	Pekin	Tazewell
Loman, James	23	Driver	M	1	3	America	Pit cars	Jan.	18	United States Fuel Co.	Benton	Franklin
Long, Samuel	34	Laborer	S	2	3	do.	Asphyxiated	Dec.	5	Johnston City Coal Co.	Johnston City	Williamson
Luckie, John M.	17	Trip rider	M	1	1	do.	Pit cars	May	7	Superior Coal Co., No. 3	Gillespie	Macopin
Lundak, Wm.	11	Trackman	M	3	1	do.	Gas explosion	Dec.	23	John A. Logan Coal Co.	Logan	Franklin
Lutwimpech, Peter	15	Miner	M	2	3	Russia	Falling rock	Nov.	17	New Stanton Coal Co.	Livingston	Madison
McClan, Edward	36	Machine runner	M	4	5	America	Falling coal	Dec.	28	Southern C. C. & M. Co., No. 9	New Baden	Clinton

TABLE 40—Continued.

Name.	Occupation.	Conjugal relation.		Nativity.	Cause of death.	Date of death.	Name of colliery.	Postoffice address of mine.	County in which mine is located.
		Married— Single—	Number of children.						
McClintock, Sanford	48 Miner	M	1	2 America.....	Falling coal.....	Sept. 8	Taylor Colliery Co., No. 6.	Benton.....	Franklin.
McGurk, James.....	45 Face boss.....	M	2	3 do.....	Falling slate.....	Apr. 25	Consolidated Coal Co., No. 14.	Stanton.....	Macoupin.
McMurphy, S. N.....	35 Fireman.....	M	2	3 do.....	Boiler explosion.....	Apr. 19	Old Ben Coal Corporation, No. 8.	W. Frankfort.	Franklin.
Martin, Thomas.....	33 Driver.....	M	4	3 England.....	Pit cars.....	Sept. 6	Simmons Coal Co.....	Canton.....	Fulton.
Mayer, Jonah.....	65 Miner.....	M	1	1 do.....	Falling clod.....	Mar. 10	Donk Bros. C. & C. Co., No. 1.	Collinsville.....	Madison.
Meadows, Robert.....	38 Carpenter.....	M	1	2 America.....	Bursting pipe.....	Aug. 28	Big Muddy C. & I. Co., No. 8.	Clifford.....	Williamson.
Meyer, Charles.....	22 Driver.....	S	—	do.....	Pit cars.....	Nov. 16	Consolidated Coal Co., No. 7.	Stanton.....	Macoupin.
Mezo, Amos.....	35 Laborer.....	M	3	4 do.....	Gas explosion.....	June 2	W. P. Rend C. & C. Co., No. 2.	Herrin.....	Williamson.
Mick, Albert.....	49 Miner.....	M	4	2 do.....	Falling slate.....	June 7	O'Gara Coal Co., No. 9.	Dorrisville.....	Saline.
Mick, Charles N.....	50 do.....	M	7	6 do.....	Pit car.....	July 25	do.....	do.....	Saline.
Mickner, Mike.....	43 Shot firer.....	M	3	4 Poland.....	do.....	Apr. 23	Chi., Wilm. & Franklin Coal Co.	Orient.....	Franklin.
Midyett, P. Z.....	28 Miner.....	M	1	2 America.....	Falling coal.....	Oct. 28	Taylor Colliery Co., No. 6.	Benton.....	Franklin.
Morrison, John.....	52 do.....	S	—	1 Scotland.....	do.....	Oct. 24	Saline Co. Coal Co., No. 3.	Harrisburg.....	Saline.
Mowry, Charles.....	30 Driver.....	S	—	1 America.....	Cage.....	June 30	Latham Coal Mining Co.....	Lincoln.....	Logan.
Murphy, Lee.....	20 do.....	S	5	6 do.....	Pit cars.....	Dec. 28	Pond Creek Coal Co.....	Herrin.....	Williamson.
Munding, Frank.....	35 Miner.....	M	5	6 do.....	Falling rock.....	Aug. 21	Taylor Mining Co., P. R.	do.....	Franklin.
Myers, Eunis A.....	27 Driver.....	M	5	6 do.....	Falling slate.....	Jan. 15	Big Muddy C. & I. Co., No. 7.	do.....	Williamson.
Myers, Henry.....	43 Loader.....	M	3	4 Austria.....	Falling coal.....	Feb. 14	Bell & Zoller Mining Co.....	Zeigler.....	Franklin.
Oiver, Caleb.....	20 Trip rider.....	S	1	1 England.....	Pit cars.....	June 5	Sealt's Coal Co.....	Johnston City.....	Williamson.
Overby, W. R.....	29 Machine helper.....	M	3	4 America.....	Falling rock.....	Oct. 17	Wasson Coal Co., No. 2.	Carriers Mills.....	Saline.
Parkinson, N. S.....	40 Laborer.....	M	4	5 do.....	Railroad cars.....	Sept. 11	Marion County Coal Co., No. 1.	Glen Ridge.....	Marion.
Parrott, Ureis.....	46 do.....	M	2	3 do.....	do.....	Apr. 12	Franklin Coal & Coke Co., No. 1.	Royalton.....	Franklin.
Pattacabbage, Chas.....	68 Miner.....	M	5	3 Lithuania.....	Falling slate.....	Dec. 8	Springfield Dist. C. M. Co., No. 4.	Anburn.....	Sangamon.
Paul, Arthur.....	30 Motorman.....	M	—	1 England.....	Motor.....	Mar. 15	Williamson County Coal Co.....	Johnston City.....	Williamson.
Perphen, Sam.....	12 Loader.....	M	4	5 Austria.....	Falling rock.....	Apr. 7	Sessel Coal Co.....	Sesser.....	Franklin.
Phillips, Charles.....	40 Miner.....	S	2	2 America.....	Falling slate.....	Aug. 7	Consolidated Coal Co., No. 7.	Stanton.....	Macoupin.
Piazza, Joe.....	33 Machine helper.....	S	—	1 Italy.....	Falling coal.....	Apr. 27	Donk Bros. C. & C. Co., No. 3.	Maryville.....	Madison.
Piekerling, Johna- than.....	38 Loader.....	M	3	4 America.....	Fell.....	Apr. 9	O'Gara Coal Co., No. 9.	Harrisburg.....	Saline.
Pierce, John W.....	44 Dock boss.....	M	2	3 do.....	Railroad car.....	Feb. 21	United States Fuel Co.....	Benton.....	Franklin.
Pitkowsky, Joseph.....	50 Miner.....	M	4	4 Russia.....	Falling coal.....	Mar. 28	C. & E. I. Coal Prop., No. 10.	Nokomis.....	Montgomery.
Plorendo, Valentino.....	31 do.....	S	—	1 Italy.....	do.....	July 16	Peabody coal Co., No. 24.	Westville.....	Vermilion.
Poffenbach, Charles.....	32 Cager.....	M	1	2 America.....	Coal fell down shaft.....	May 12	Springfield Dist. C. M. Co., No. 5.	Springfield.....	Sangamon.
Poulson, Alexander.....	41 Driver.....	S	1	1 do.....	Kicked by mule.....	Apr. 28	C. & E. I. Coal Prop., No. 12.	Witt.....	Montgomery.

Price, James	62	Fireman	S	Scotland	Steam	Oct.	26	Chi., Wilm. & Franklin C. Co., No. 3	So. Wilmington	Grundy
Rassau, Martin	23	Driver	S	Russia	Pit car	July	8	Lumachi Coal Co., No. 5	Collinsville	Madison
Rau, Paul	50	Miner	M	5 Germany	Falling slate	Aug.	21	Mt. Olive Coal Co., No. 2	Mt. Olive	Macoupin
Raymond, Thomas	33	Loader	M	4 Italy	Shot explosion	Dec.	14	Pembury Coal Co., No. 7	Kincaid	Christian
Rogelio, Pasquale	38	Miner	M	4 Italy	Motor	Sept.	20	Johnston City Coal Co.	Johnston City	Williamson
Reynolds, Otis	20	Laborer	M	6 America	Gas explosion	June	2	W. P. Rend C. & C. Co., No. 2	Herrin	Williamson
Riley, Charles	38	do.	M	3 do.	do.	June	2	do.	Witt	Williamson
Rodger, Andrew	16	Miner	S	3 do.	Falling coal	Mar.	12	C. & E. I. Coal Prop., No. 12	Witt	Montgomery
Rogers, Frank, Jr.	17	Laborer	S	do.	Page	July	13	Carlinville Coal Co.	Carlinville	Macoupin
Ruhl, Paul	20	Driver	S	Germany	Pit cars	Aug.	13	Mt. Olive & Staunton Coal Co., No. 2	Staunton	Macoupin
Rushing, Reuben	19	Laborer	M	1 America	Boiler explosion	Feb.	5	Security Coal Mining Co.	Duquoin	Perry
Sanders, Ira	35	Foreman	M	1 do.	Gas explosion	June	2	W. P. Rend C. & C. Co., No. 2	Herrin	Williamson
Savant, Anton	17	Trapper	M	3 Italy	Motor	May	26	Springvalley Coal Co., No. 5	Dalzel	Bureau
Schubner, John	72	Operator	S	Germany	Machinery	Oct.	25	Springfield Co-op. Coal Co.	Springfield	Sangamon
Schooler, Russell	60	Laborer	S	Austria	Railroad cars	Jan.	22	West Side Coal Co.	Centerville	Randolph
Sehrvanidi, Natale	28	Trip rider	S	Austria	Pit cars	Apr.	14	Bell & Zoller Mining Co.	Zeigler	Franklin
Schroers, Peter	18	do.	S	America	do.	Apr.	14	Chi., Wilm. & Franklin Coal Co.	Orient	Franklin
Schroetz, John	59	Machine runner	M	1 Germany	Falling coal	Apr.	3	International Coal & Mining Co.	Belleville	St. Clair
Schoetz, John	65	Miner	M	1 America	Fell off tram road	June	22	Fenwell Coal Co.	Centerville	Sangamon
Scott, Wm W.	67	Laborer	M	2 do.	Falling slate	Nov.	6	Southern C. C. & M. Co., No. 9	New Baden	Clinton
Seckel, John	43	Miner	M	4 Bohemia	Asphyxiated	Feb.	6	Genuine Norris C. M. Co.	Norris	Fulton
Sieck, Wm. A.	39	do.	M	2 America	Falling slate	Jan.	5	Williamson County Coal Co.	Johnston City	Williamson
Sisko, John	15	do.	S	1 Hungary	Pit car	Dec.	12	Madison Coal Co., No. 6	Diverson	Sangamon
Slekas, John	30	Driver	M	1 America	Motor	Nov.	17	Chi., Wilm. & Franklin Coal Co.	Orient	Franklin
Smith, Clifford A.	21	Motorman	S	America	Falling coal	Jan.	27	Superior Coal Co., No. 2	Gillespie	Macoupin
Smith, George	46	Machine runner	S	Russia	Railroad cars	Mar.	29	United Coal Mining Co., No. 2	Buckner	Franklin
Smith, Stanley	21	Machine helper	S	America	Falling slate	Nov.	21	New Staunton Coal Co.	Livingston	Madison
Sobut, Barney	51	Miner	M	3 Russia	Pit cars	Aug.	2	Producers Coal Co., No. 18	W. Frankfort	Franklin
Solo, Charles	38	Trackman	M	1 Italy	do.	Oct.	2	Christophers C. M. Co., No. 2	Christophers	Franklin
Steen, Robert	27	Machine helper	M	2 do.	Falling slate	Oct.	5	St. Louis & O'Fallon Coal Co., No. 2	Belleville	St. Clair
Steinberg, Albert	17	Driver	S	2 do.	Pit cars	Jan.	27	Jones & Adams Coal Co.	Springfield	Sangamon
Steinheimer, L. O.	23	Blacksmith	M	1 do.	Electrocutted	Jan.	3	United States Fuel Co.	Benton	Franklin
Taborn, Henry	24	Motorman	M	3 do.	do.	Aug.	15	Wasson Coal Co., No. 2	Carriers Mills	Saline
Taylor, Charles	54	Engineer	M	1 do.	Fell off track	Jan.	15	Contract Mining Co.	Danville	Vermilion
Taylor, John	43	Shot firer	M	5 England	Falling coal	Nov.	16	Lincroft Mining Co.	Lincoln	Logan
Teague, James	51	Loader	M	5 America	Falling coal	Apr.	20	Sunnyside Coal Co., No. 2	Herrin	Williamson
Teamos, Charles	23	Laborer	M	1 do.	Cught in machinery	Mar.	28	Christophers C. M. Co., No. 2	Christophers	Franklin
Tinkler, Mike	35	Driver	M	5 Lithuania	Pit cars	Oct.	22	Lumachi Coal Co., No. 2	Collinsville	Madison
Tolick, George	20	do.	S	Poland	do.	Nov.	9	Lumachi Coal Co., No. 2	Collinsville	Madison
Tonnillons, Anton	42	Miner	M	3 do.	Falling coal	Jan.	9	Lumachi Coal Co., No. 2	Worden	Madison
Tweede, William	33	Machine runner	M	2 America	Electrocutted	Jan.	23	Pembury Coal Co., No. 7	Kincaid	Christian
Venson, Louis	32	Loader	M	6 do.	Shot explosion	June	2	W. P. Rend Coal & Coke Co.	Herrin	Williamson
Viekroy, Gary	25	Laborer	S	2 do.	Gas explosion	Oct.	10	Lumachi Coal Co., No. 2	Collinsville	Madison
Viekroy, Charles	21	Driver	M	1 do.	Pit cars	Sept.	18	O'Garra Coal Co., No. 9	Harrisburg	Saline
Walker, Dennis	36	Miner	M	4 do.	Falling slate	Sept.	2	W. P. Rend Coal & Coke Co.	Herrin	Williamson
Weather, Roy	19	Laborer	S	do.	Gas explosion	June	2	W. P. Rend Coal & Coke Co.	Herrin	Williamson

TABLE 40—Concluded.

Name.	Age.	Occupation.	Conjugal relation.		Nativity.	Cause of death.	Date of death.	Name of colliery.	Postoffice address of mine.	County in which mine is located.
			Married—M.	Single—F.						
Wortlewski, Mike.	38	Miner.	M		1 Poland.	Falling coal.	Apr.	4 Hillsboro Coal Co.	Hillsboro.	Montgomery.
Whaley, George.	24	Driver.			America.	Pit cars.	Feb. 27	W. P. Read Colliery Co.	Read.	Franklin.
White, James.	34	Cager.	S		1 do.	Fell off cage.	Apr. 28	Peabody Coal Co., No. 21.	Stonington.	Christian.
White, Louis.	33	Laborer.	M	2	3 do.	Pit cars.	Jan.	8 Donk Bros. C. & C. Co., No. 2.	Maryville.	Madison.
Wilson, Andrew.	20	do.	S		1 do.	Railroad cars.	July 14	Southern C. & M. Co., No. 7.	Belleville.	St. Clair.
Woodward, John.	37	Miner.	S		1 do.	Falling rock.	Mar.	5 Woodard Coal Co.	Oakwood.	Vermilion.
Woodard, Otto.	27	Top boss.	M	4	5 do.	Pit cars.	Oct. 20	Johnston City Coal Co.	Johnston City.	Williamson.
Woodfine, Thomas.	43	Miner.	M	1	2 England.	Falling rock.	June 30	Murphy, Linskey & Kasher.	Pontiac.	Livingston.
Woodridge, Ernest.	20	do.	S		1 do.	Falling coal.	Mar. 30	C. & E. I. Coal Prop., No. 14.	Witt.	Montgomery.
Wyld, Joseph.	32	do.	M		1 do.	do.	Mar. 27	C. & E. I. Coal Prop., No. 10.	Nokomis.	Montgomery.
York, Arch.	20	Driver.	S		America.	Pit cars.	June 12	Jackson Coal Co.	Hallidayboro.	Jackson.
Yost, John.	51	Miner.	M	4	5 Germany.	Shot explosion.	Nov. 12	Wilcoxon Coal Co.	Springfield.	Sangamon.
Young Frank.	44	Shot firer.	M	1	2 America.	do.	Jan. 21	Springfield Dist. Coal Mining Co., No. 7.	do.	Sangamon.
Young, George.	41	do.	M		1 do.	do.	Jan. 21	do.	do.	Sangamon.

Table 41 gives by districts the number killed, and tons mined to each death, number employed, and ratio of fatalities to 1,000 employees.

TABLE 41—FATAL CASUALTIES, BY DISTRICTS—ALL MINES.

District.	Number killed—				Number of employees—			Total tons of coal mined.	Number of employees to each death.	Ratio of deaths per 1,000 employees	Number of tons of coal to each death.
	Under ground.	In shaft.	On the surface.	Total.	Under ground.	On the surface.	Total.				
First.....	5	.....	1	6	2,777	367	3,144	1,779,516	524	1.91	296,586
Second.....	3	.....	.....	3	2,982	299	3,281	1,823,820	1,094	.91	542,673
Third.....	.....	.....	1	6	4,517	442	4,959	3,593,441	827	1.21	598,907
Fourth.....	2	.....	1	3	3,139	303	3,442	2,790,350	1,147	.97	930,117
Fifth.....	14	1	1	16	6,249	610	6,859	6,716,090	429	2.33	419,756
Sixth.....	15	2	1	16	6,987	614	7,601	7,634,571	475	2.10	477,161
Seventh.....	28	2	2	32	8,233	768	9,001	10,240,425	281	3.55	320,013
Eighth.....	16	.....	1	17	6,207	614	6,821	7,667,369	401	2.49	451,022
Ninth.....	9	.....	1	10	4,903	457	5,360	5,755,650	536	1.87	575,595
Tenth.....	6	.....	5	9	4,984	517	5,501	5,218,599	611	1.64	579,844
Eleventh.....	49	.....	6	55	13,902	1,716	15,618	16,079,571	284	3.52	292,356
Twelfth.....	33	.....	1	34	8,257	1,049	9,306	9,684,125	274	3.65	248,827
The State, 1917.....	183	5	19	207	73,137	7,756	80,893	78,983,527	391	2.56	381,563
The State, 1916.....	153	4	8	165	69,426	6,493	75,919	63,673,530	460	2.17	385,900

Table 42 gives the record for 35 years—1883-1917 inclusive.

TABLE 42—FATAL ACCIDENTS FOR 35 YEARS.

Year.	Number killed.	Total number of employees.	Total tons of coal mined.	Number of employees to each life lost.	Ratio per 1,000.	Number of tons of coal produced to each life lost.	Average number—		
							Killed.	Em- ployees.	Em- ployees to each life lost.
1883.....	134	23,939	12,123,456	180	5.6	90,474	134.0	23,939.0	180.0
1884.....	46	25,575	12,208,075	566	1.8	265,393	90.0	24,757.0	275.1
1885.....	39	25,946	11,834,459	652	1.5	303,448	73.0	25,153.3	344.6
1886.....	52	25,846	11,175,241	497	2.0	214,909	67.8	25,326.5	373.8
1887.....	41	26,804	12,423,066	654	1.5	303,002	62.4	25,622.0	410.6
1888.....	55	29,410	14,328,181	535	1.9	260,512	61.2	26,250.0	429.2
1889.....	42	30,076	14,017,298	716	1.4	333,745	58.4	26,796.6	458.7
1890.....	53	28,574	15,274,727	539	1.9	288,203	57.0	27,018.8	467.9
1891.....	60	32,951	15,660,698	549	1.8	261,012	57.3	27,677.9	477.2
1892.....	57	33,632	17,862,276	590	1.7	313,372	57.3	28,273.3	488.3
1893.....	69	35,390	19,949,564	513	1.9	289,124	58.4	28,920.3	490.9
1894.....	72	38,477	17,113,576	534	2.2	237,688	59.5	29,716.7	495.3
1895.....	75	38,630	17,735,834	515	2.3	236,478	60.7	30,402.3	497.2
1896.....	77	37,057	19,788,626	481	2.3	256,969	61.9	30,877.6	495.8
1897.....	69	33,788	20,072,758	490	2.0	290,910	62.3	31,071.7	495.3
1898.....	75	35,026	18,599,299	467	2.1	247,991	63.1	31,318.8	493.2
1899.....	84	36,991	23,434,445	440	2.3	278,982	64.4	31,652.5	489.2
1900.....	94	39,384	25,153,929	419	2.4	267,595	66.0	32,082.0	483.7
1901.....	99	44,143	26,635,319	446	2.2	269,044	67.7	32,716.8	480.8
1902.....	99	46,005	30,021,300	465	2.2	303,245	69.3	33,381.2	479.6
1903.....	156	49,814	34,955,400	319	3.1	224,073	73.4	34,163.7	463.5
1904.....	157	54,774	37,077,897	349	2.9	236,165	77.2	35,100.5	452.9
1905.....	199	59,230	37,153,374	298	3.4	186,851	82.5	36,149.7	436.7
1906.....	155	62,283	38,317,581	402	2.5	247,210	85.5	37,238.5	434.1
1907.....	165	66,714	47,798,621	404	2.5	269,689	88.7	38,417.6	431.9
1908.....	183	70,841	49,272,452	387	2.6	269,248	92.3	39,664.6	428.5
1909.....	213	72,733	49,163,710	346	2.9	230,816	96.8	40,889.4	421.4
1910.....	406	74,634	48,717,853	184	5.4	119,997	107.8	42,094.5	384.5

TABLE 42—Concluded.

Year.	Number killed.	Total number of employees.	Total tons of coal mined.	Number of employees to each life lost.	Ratio per 1,000.	Number of tons of coal produced to each life lost.	Average number—		
							Killed	Em ployees.	Em- ployees to each life lost.
1911.....	157	77,410	50,165,099	493	2.0	319,523	109.6	43,312.3	394.6
1912.....	180	79,411	57,514,240	441	2.3	319,524	111.9	44,515.6	397.1
1913.....	175	79,497	61,846,204	454	2.2	353,407	113.9	45,644.0	399.9
1914.....	159	80,035	60,715,795	503	2.0	381,890	115.3	46,718.8	404.4
1915.....	180	75,607	57,601,694	420	2.4	320,009	117.3	47,594.2	405.1
1916.....	165	75,919	63,673,530	460	2.2	385,900	118.7	48,427.2	407.4
1917.....	207	80,893	78,983,527	391	2.6	381,563	121.4	49,355.4	406.6

Table 43 shows the causes of the 207 fatalities.

TABLE 43—FATAL ACCIDENTS, BY CAUSES, WITH PERCENTAGES.

Cause.	Total.	Districts.												Per- cent- age.
		1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	
Asphyxiation.....	4	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	3	1.93
Boiler explosion.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.97
Bursting pipe.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.48
Cage.....	2	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.97
Caught in machinery.....	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.97
Coal fell down shaft.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.48
Electrocuted.....	7	.....	.....	.....	.....	.....	.....	1	1	.....	.....	4	1	3.38
Engine.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.48
Falling prop.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.48
Falling roof and sides.....	77	4	2	5	.....	8	3	16	10	6	5	13	5	37.21
Fell.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.48
Fell off cage.....	2	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.97
Fell off track.....	2	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.97
Flying coal.....	4	1	.....	.....	.....	.....	1	1	.....	1	.....	.....	.....	1.93
Gas explosion.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	9	7.24
Machine.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.48
Motor.....	7	.....	1	.....	.....	.....	1	.....	.....	.....	.....	3	2	3.38
Mule, kicked by.....	3	.....	.....	.....	.....	.....	.....	1	.....	1	.....	1	.....	1.45
Pit cars.....	57	.....	.....	.....	1	4	3	9	5	1	.....	22	11	27.54
Railroad cars.....	9	.....	.....	.....	1	.....	.....	1	1	1	.....	3	1	4.35
Shot explosion.....	7	.....	.....	.....	.....	2	4	.....	.....	.....	.....	.....	1	3.38
Steam.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.48
Total.....	207	6	3	6	3	16	16	32	17	10	9	55	34	100.00

Table 44. In this table is shown, by districts, the number killed inside the mine, in the shaft and on the surface, by causes.

TABLE 44—FATAL ACCIDENTS—CAUSES—LOCATION—BY DISTRICTS.

District.	Inside the mine.									In the shaft.				Outside the mine.				
	Total killed.	Powder.	Gas explosions.	Falling roof and sides.	Machine and motors.	Pit cars.	Suffocation from gases.	Electricity.	Other causes.	Total.	Cages.	Objects falling down shaft.	Fell down shaft.	Total.	Machinery.	Railway cars and locomotives.	Other causes.	Total.
First.....	6	1		4						5							1	1
Second.....	3				1					3								1
Third.....	3			3						3					1			1
Fourth.....	3					1	1			2								1
Fifth.....	16	2		2		4			1	14			1				1	1
Sixth.....	16	5		3	1	3			1	13	1	1		2			1	1
Seventh.....	32	1		16		9		1	1	28	1		1	2	1		1	2
Eighth.....	17			10		5		1		16							1	1
Ninth.....	10	1		6		1			1	9							1	1
Tenth.....	9					1				6						2	1	3
Eleventh.....	55		6	13	3	22		3	2	49					1	3	2	6
Twelfth.....	34	1	9	5	2	11	3	1	1	33						1		1
Total	207	11	15	77	7	57	4	6	6	183	2	1	2	5	3	10	6	19

Table 45 gives the number and per cent killed underground, in the shaft and on the surface.

TABLE 45—NUMBER AND PER CENT OF FATAL ACCIDENTS, BY CAUSES, UNDERGROUND, IN SHAFT AND ON THE SURFACE, BY DISTRICTS.

District.	Total number killed.		Under ground.								Total underground.		In shaft.		On the surface.			
			Use of powder.		Gas explosion.		Falling roof and sides.		Pit cars.								Other causes.	
			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.							Number.	Per cent.
First.....	6	120.0	.....	.....	4	80.0	.....	.....	.....	.....	5	83.3	.....	.....	1	16.7
Second.....	3	.....	.....	.....	2	66.7	.....	.....	1	33.3	3	100.0	.....	.....	.....	.....
Third.....	6	.....	.....	.....	5	100.0	.....	.....	.....	.....	3	83.3	.....	.....	1	16.7
Fourth.....	3	.....	.....	.....	.....	.....	.....	150.0	150.0	.....	2	66.7	.....	.....	.....	133.3
Fifth.....	16	214.3	.....	.....	8	57.1	4	25.6	.....	.....	14	87.5	1	6.2	.....	16.2
Sixth.....	16	538.4	.....	.....	3	23.1	3	23.1	2	15.4	13	81.3	2	12.5	.....	16.2
Seventh.....	32	13.6	.....	.....	16	57.1	9	32.2	2	7.1	28	87.5	2	6.2	.....	16.2
Eighth.....	17	.....	.....	.....	10	62.5	5	31.3	1	6.2	16	94.1	.....	.....	1	5.9
Ninth.....	10	111.1	.....	.....	6	66.7	1	11.1	1	11.1	9	90.0	.....	.....	.....	110.0
Tenth.....	9	.....	.....	.....	5	83.3	1	16.7	.....	.....	6	66.7	.....	.....	.....	333.3
Eleventh.....	55	.....	.....	6 12.3	13	26.5	22	44.9	8	16.3	49	89.1	.....	.....	6	10.9
Twelfth.....	34	13.0	9 27.3	.....	5	15.2	11	33.3	7	21.2	33	97.1	.....	.....	1	2.9
1917.....	207	116.0	15 8.2	.....	77	42.1	57	31.1	23	12.6	183	88.4	5 2.4	.....	19	9.2
1916.....	165	138.4	11 7.2	.....	80	52.3	38	24.9	11	7.2	153	92.7	4 2.4	.....	8	4.9

Table 46 presents the record of total deaths, number employed, tons mined, and number and per cent killed by use of powder, gas explosions, falls, pit cars, and other causes, for 30 years.

TABLE 46—FATAL ACCIDENTS, BY CAUSES, WITH PERCENTAGES, FOR 30 YEARS.

Year.	Total deaths.	Employees.	Tons mined.	Fatalities caused by—									
				Powder.		Gas.		Falls.		Pit cars.		Other causes.	
				Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1888.....	55	29,410	14,328,181	9	16.4	.....	.....	33	60.0	6	10.9	7	12.7
1889.....	42	30,076	14,017,298	3	7.1	.....	.....	26	61.9	5	11.9	8	19.1
1890.....	53	28,574	15,274,727	4	7.6	5	9.4	36	67.9	3	5.7	5	9.4
1891.....	60	32,951	15,660,698	11	18.3	4	6.7	33	55.0	2	3.3	10	16.7
1892.....	57	33,632	17,862,276	4	7.0	3	5.3	28	49.1	6	10.5	16	28.1
1893.....	69	35,390	19,949,564	6	8.7	2	2.9	48	69.6	2	2.9	11	15.9
1894.....	72	38,477	17,113,576	8	11.1	.....	.....	43	59.7	6	8.3	15	20.9
1895.....	75	38,630	17,735,864	12	16.0	5	6.7	38	50.6	5	6.7	15	20.0
1896.....	77	37,057	19,786,626	9	11.7	2	2.6	41	53.2	7	9.1	18	23.4
1897.....	69	33,788	20,072,758	11	15.9	2	2.9	46	66.7	1	1.4	9	13.1
1898.....	75	35,026	18,599,299	11	14.7	7	9.3	43	57.3	2	2.7	12	16.0
1899.....	84	36,991	23,434,445	4	4.8	4	4.8	51	60.7	6	7.1	19	22.6
1900.....	94	39,384	25,153,929	17	18.1	1	1.1	51	54.2	11	11.7	14	14.9
1901.....	99	44,143	26,635,319	20	20.2	1	1.0	57	57.6	11	11.1	10	10.1
1902.....	99	46,005	30,021,300	17	17.2	.....	.....	55	55.6	15	15.1	12	12.1
1903.....	156	49,814	34,955,400	41	26.3	8	5.1	79	50.7	18	11.5	10	6.4
1904.....	157	54,774	37,077,897	44	28.0	.....	.....	65	41.4	21	13.4	27	17.2
1905.....	199	59,230	37,183,374	34	17.1	48	24.1	80	40.2	10	5.0	27	13.6
1906.....	155	62,283	38,317,581	22	14.2	2	1.3	84	54.2	18	11.6	29	18.7
1907.....	165	66,714	47,798,621	24	14.6	4	2.4	84	50.9	28	17.0	25	15.1
1908.....	183	70,841	49,272,452	29	15.8	7	3.8	91	49.7	35	19.2	21	11.5
1909.....	213	72,733	49,163,710	29	13.6	40	18.8	84	39.4	24	11.3	36	16.9
1910.....	406	74,634	48,717,853	17	4.2	16	3.9	65	16.0	21	5.2	287	70.7
1911.....	157	77,410	50,165,099	10	6.4	8	5.1	80	50.9	28	17.8	31	19.8
1912.....	180	79,411	57,514,240	12	6.7	3	1.7	98	54.4	34	18.9	33	18.3
1913.....	175	79,497	61,846,204	9	5.1	3	1.7	81	46.3	45	25.7	37	21.2
1914.....	159	80,035	60,715,795	6	3.8	5	3.1	83	52.2	31	19.5	34	21.4
1915.....	180	75,607	57,601,694	9	5.0	65	36.1	57	31.7	15	8.3	34	18.9
1916.....	165	75,919	63,673,530	13	7.9	11	6.7	80	48.5	38	23.0	23	13.9
1917.....	207	80,893	78,983,527	11	5.3	15	7.3	77	37.2	57	27.5	47	22.7
Total....	3,937	1,599,329	1,068,632,837	456	11.6	271	6.9	1,817	46.1	511	13.0	882	22.4

Table 47 gives the occupation, conjugal relation and average age of the men killed in each occupation.

TABLE 47—OCCUPATION AND CONJUGAL RELATION OF THE MEN KILLED.

Occupation.	Total.	Per cent-age.	Conjugal relation.					Average age.
			Married.	Single.	Widows.	Children.	De-pendents.	
Asst. mine managers..	2	.97	1	1	1	4	5	41.
Blacksmith.....	1	.48	1	.....	1	.....	1	23.
Cagers.....	4	1.93	3	1	3	2	6	30.5
Carpenter.....	1	.48	1	.....	1	1	2	38.4
Couplers.....	2	.97	.....	2	.....	.....	2	17.5
Drivers.....	32	15.46	13	19	13	26	41	25.5
Electrician.....	1	.48	1	.....	1	.....	1	39.
Engineer.....	1	.48	1	.....	1	.....	1	54.
Firemen.....	2	.97	1	1	1	2	3	48.5
Foremen.....	5	2.42	5	.....	5	13	18	36.3
Laborers.....	29	14.01	19	10	19	45	59	32.4
Loaders.....	12	5.80	6	6	6	26	30	37.8
Machine helpers.....	7	3.38	3	4	3	7	10	31.9

TABLE 47—Concluded.

Occupation.	Total.	Per cent- age.	Conjugal relation.					Average age.
			Married.	Single.	Widows.	Children.	De- pendents.	
Machine runners.....	12	5.80	8	4	8	25	29	38.1
Mine examiner.....	1	.48	1	.....	1	.....	1	30.
Miners.....	60	28.99	39	21	39	90	117	39.8
Motormen.....	5	2.42	3	2	3	2	8	24.6
Operator.....	1	.48	.....	1	.....	.....	.....	72.
Shot firers.....	7	3.38	7	.....	7	16	19	41.4
Timbermen.....	5	2.42	4	.....	4	18	19	39.6
Trackmen.....	3	1.44	2	1	2	3	3	46.3
Trapper.....	1	.48	.....	1	.....	.....	3	17.
Trip riders.....	13	6.28	4	9	4	3	8	24.4
Total.....	207	100.00	123	84	123	283	386	34.5

Table 48 shows the occupational casualties in ten leading occupations.

TABLE 48—OCCUPATIONAL CASUALTIES, FATAL AND NONFATAL, NUMBER OF EMPLOYEES IN EACH OCCUPATION, PERCENTAGES AND RATIO.

Classified occupation.	Total num- ber of em- ployees in each class.	Number of accidents in each class.		Per cent of each class.		Number em- ployed in each class to one man—		Ratio per 1,000 employed in each class.	
		Fatal.	Non- fatal.	Killed.	In- jured.	Killed.	In- jured.	Killed.	In- jured.
Cagers.....	753	4	34	.53	4.52	188	22	5.31	45.15
Drivers.....	4,263	32	260	.75	6.10	133	17	7.51	60.99
Laborers.....	5,660	29	190	.51	3.36	195	30	5.12	33.57
Loaders.....	24,529	12	179	.05	.73	2,044	137	.49	7.30
Machine men.....	3,957	19	110	.48	2.78	208	36	4.80	27.80
Miners.....	24,951	57	596	.23	2.39	438	42	2.28	23.89
Shot firers.....	546	7	6	1.28	1.10	78	91	12.82	10.99
Timbermen.....	1,422	5	29	.35	2.04	284	49	3.52	20.39
Trackmen.....	2,178	3	21	.14	.96	726	104	1.38	9.64
Trappers.....	1,251	1	11	.08	.88	1,251	114	.80	8.79
Total classified.....	69,510	169	1,436	.24	2.07	411	48	2.43	20.66
Not classified.....	8,546	34	186	.40	2.18	251	46	3.98	21.76
Total.....	78,056	203	1,622	.26	2.08	385	48	2.60	20.78
Local mines.....	2,837	4	12	.14	.42	709	236	1.41	4.23
The State.....	80,893	207	1,634	.26	2.02	391	50	2.56	20.20

Table 49 shows the number killed by occupations and the range of ages in each.

TABLE 49—TOTAL NUMBER KILLED, RANGE OF AGES AND AVERAGE AGE, BY OCCUPATIONS.

Occupation.	Total.	Range of ages—years.									Average age.	
		Under 20.	20 but under 25.	25 but under 30.	30 but under 35.	35 but under 40.	40 but under 45.	45 but under 50.	50 but under 55.	55 but under 60.		60 and over.
Asst. mine managers.....	2				1			1				41.
Blacksmith.....	1		1									23.
Cagers.....	4		1		3							30.5
Carpenter.....	1					1						38.
Couplers ¹	2	2										17.5
Drivers ²	32	4	15	5	3	3	2					25.5
Electrician.....	1					1						39.
Engineer.....	1								1			54.
Fire men ³	2					1					1	48.5
Foremen ⁴	5			1		2	1					36.3
Laborers ⁵	29	6	4	2	5	6	1	2	1		2	32.4
Loaders ⁶	12	1		1	3	1	3	2	1			37.8
Machine helpers.....	7		1	2	2	1	1					31.9
Machine runners.....	12				4	5	1	1		1		38.1
Mine examiner.....	1				1							30.
Miners ⁷	60	3	5	6	8	9	6	9	6	1	7	39.8
Motormen.....	5		4		1							24.6
Operator ⁸	1										1	72.
Shot firers.....	7			1			5		1			41.4
Timbermen.....	5				1	1	2	1				39.6
Trackmen.....	3					1	1			1		46.3
Trapper ⁹	1	1										17.
Trip rider ^{4 10}	13	2	4	3	3							24.4
Total.....	207	19	35	21	35	32	23	16	10	3	11	34.5

¹ One, 16; one, 19.² One, 17; two, 18; one, 19.³ One, 62.⁴ One, age not given.⁵ Two, 17; two, 18; two, 19; one, 67.⁶ One, 19.⁷ Two, 16; one, 17; two, 62; three, 65; one, 66; one, 68.⁸ One, 72.⁹ One, 17.¹⁰ One, 17; one, 18.

Table 50 gives the number killed in each month of the year.

TABLE 50—FATAL ACCIDENTS BY MONTHS.

District.	1916						1917						Total.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.	
First.....		1		1			1		1		1	1	6
Second.....	1				1				2				3
Third.....		2			1	1			1				6
Fourth.....			1					1	1				3
Fifth.....	1	1		2	1	2	2		2	3		2	16
Sixth.....			1		2	2	4		1	1	4	1	16
Seventh.....	2	4	1	3	2	3	2	1	7	5	2		32
Eighth.....	1	1	2	1	5	1	2	1	1	2			17
Ninth.....	2		1	1		1			2		1	2	10
Tenth.....		1				1	1	3	1	1		1	9
Eleventh.....	2	3	2	7	4	6	4	5	4	8	8	2	55
Twelfth.....	1	1	1	2	2	5	3	3	2	1	2	11	34
1917.....	10	14	9	17	18	22	19	14	24	21	19	20	207
1916.....	15	6	19	17	20	14	19	22	13	8	7	5	165
1915.....	9	15	12	62	10	14	12	13	15	13	4	1	180

Table 51 discloses the nationality of the men killed.

TABLE 51—NATIVITY AND CONJUGAL RELATION OF THE MEN KILLED.

Nativity.	Total.	Conjugal relation					Average age.
		Married.	Single.	Widows.	Children.	De- pendents.	
America	127	80	47	80	158	234	32.1
Austria	8	5	3	5	14	19	34.5
Bohemia	1	1		1	4	4	43.
Croatia	1		1				30.
England	10	8	2	8	14	21	39.9
France	2		2				34.5
Germany	12	8	4	8	32	31	40.7
Hungary	3	1	2	1	3	3	31.7
Italy	13	4	9	4	11	18	30.7
Lithuania	4	4		4	14	15	43.
Poland	5	4	1	4	9	13	35.
Russia	6	2	4	2	6	7	38.5
Scotland	4	1	3	1	4	5	49.
Slavonia	2	1	1	1	5	6	32.
Not stated	9	4	5	4	9	10	39.3
Total	207	123	84	123	283	386	34.5

NONFATAL ACCIDENTS.

Table 52. The number of men injured, number employed, tons of coal mined, the number employed to each one injured, the ratio per 1,000 employed and the number of tons mined to each injury, are shown in this table, by districts.

TABLE 52—NONFATAL ACCIDENTS, BY DISTRICTS.

District.	Number injured.	Number employed.	Tons of coal mined.	Number of employees to one man injured.	Ratio per 1,000 employees.	Tons mined to one man injured.
First.....	77	3,144	1,779,516	41	24.49	23,111
Second.....	107	3,281	1,823,820	31	32.61	15,215
Third.....	100	4,959	3,593,441	50	20.17	35,934
Fourth.....	24	3,442	2,790,350	143	6.97	116,265
Fifth.....	168	6,859	6,716,090	41	24.49	39,977
Sixth.....	119	7,601	7,634,571	64	16.05	64,156
Seventh.....	227	9,001	10,240,425	40	25.22	45,112
Eighth.....	178	6,821	7,667,369	38	26.10	43,075
Ninth.....	66	5,360	5,755,650	81	12.31	87,207
Tenth.....	64	5,501	5,218,599	86	11.63	81,541
Eleventh.....	374	15,618	16,079,571	42	23.95	42,994
Twelfth.....	130	9,306	9,681,125	72	13.97	74,493
The State.....	1,634	80,893	78,983,527	50	20.20	48,338

Table 53 presents the record of nonfatal accidents for 35 years.

TABLE 53—NONFATAL ACCIDENTS, NUMBER EMPLOYED, TONS MINED, RATIO AND PROPORTIONS, 35 YEARS.

Year.	Number of men injured.	Total number of employees.	Total number of tons of coal mined.	Number of employees to one man injured.	Ratio per 1,000.	Tons of coal produced to one man injured.	Number injured by falling roof and sides.	From all other causes.	Percentages.	
									From falling roof and sides.	From all other causes.
1883.....	231	23,939	12,123,456	104	9.6	52,482	130	101	56.3	43.7
1884.....	197	25,575	12,208,075	130	7.7	61,970	135	62	68.5	31.5
1885.....	176	25,946	11,834,459	147	6.8	67,241	118	58	67.0	33.0
1886.....	171	25,846	11,175,241	151	6.6	56,126	109	62	63.7	36.3
1887.....	180	26,804	12,423,066	149	6.7	69,017	124	56	68.9	31.1
1888.....	179	29,410	14,328,181	164	6.1	80,046	112	67	62.6	37.4
1889.....	201	30,076	14,017,298	150	6.7	69,738	129	72	64.2	35.8
1890.....	244	28,374	15,274,727	97	10.3	51,955	196	98	66.7	33.3
1891.....	367	32,951	15,660,698	90	11.1	42,672	227	140	61.9	38.1
1892.....	370	33,632	17,862,276	91	11.0	48,276	234	196	63.3	36.7
1893.....	403	35,390	19,949,564	88	11.4	49,503	254	149	63.0	37.0
1894.....	521	38,477	17,113,576	74	13.5	32,848	294	227	56.4	43.6
1895.....	695	38,630	17,735,864	64	15.7	29,315	338	267	55.9	44.1
1896.....	672	37,032	19,786,626	55	18.1	29,444	373	299	55.5	44.5
1897.....	518	33,788	20,072,758	65	15.3	38,751	310	208	59.9	40.1
1898.....	438	35,026	18,599,299	80	12.5	42,464	252	186	60.9	39.1
1899.....	597	36,991	23,434,445	62	16.1	39,254	335	262	56.1	43.9
1900.....	611	39,384	25,153,939	65	15.5	41,168	323	288	52.9	47.1
1901.....	422	44,142	26,635,319	104	9.6	63,117	233	189	55.2	44.8
1902.....	406	46,005	30,021,300	127	8.8	73,944	198	208	48.8	51.2
1903.....	410	49,814	34,955,400	121	8.2	85,257	190	220	46.3	53.7
1904.....	507	54,774	37,077,897	108	9.3	73,132	264	243	52.1	47.9
1905.....	535	59,230	37,183,374	111	9.0	69,502	271	264	50.7	49.3
1906.....	480	62,283	38,317,581	130	7.7	79,828	253	227	52.7	47.3
1907.....	636	66,714	47,798,621	105	9.5	75,155	327	309	51.4	48.6
1908.....	819	70,841	49,272,452	86	11.6	60,162	402	417	49.1	50.9
1909.....	894	72,733	49,163,710	81	12.3	54,993	423	471	47.3	52.7
1910.....	742	74,634	48,717,853	101	9.9	65,657	369	373	50.0	50.0
1911.....	709	77,410	50,165,099	109	9.2	70,755	327	382	46.1	53.9
1912.....	800	79,411	57,514,240	98	10.1	71,893	364	436	45.5	54.5
1913.....	1,025	79,497	61,846,204	78	12.9	60,338	442	583	48.1	51.9
1914.....	1,071	80,035	60,715,795	75	13.4	56,691	472	599	44.1	55.9
1915.....	1,013	75,607	57,601,694	75	13.4	56,862	450	563	44.4	55.6
1916.....	1,305	75,919	63,673,530	58	17.2	48,792	501	804	38.4	61.6
1917.....	1,634	80,893	78,983,527	50	20.2	48,338	597	1,037	36.6	63.4

Table 54 shows the occupation in which the injured men were employed and gives the number and per cent injured in each.

TABLE 54—NONFATAL ACCIDENTS, BY OCCUPATIONS, WITH PERCENTAGES.

Occupation.	Total.	Districts.												Per- cent- ages.
		1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	
Assistant mine managers.....	6	...	...	...	...	...	...	2	1	...	...	3	...	.37
Blacksmiths.....	6	...	1	...	...	...	...	2	1	...	...	2	...	.37
Cagers.....	34	1	1	2	2	...	...	6	3	2	1	5	5	2.08
Carpenters.....	5	...	...	...	...	1	...	...	...	...	...	1	2	.31
Couplers.....	19	...	...	...	...	4	2	1	...	...	...	11	1	1.16
Drivers.....	250	3	7	10	9	21	29	35	35	18	16	48	29	15.91
Electricians.....	6	...	...	...	...	...	...	3	1	...	...	1	...	.37
Engineers.....	3	...	...	...	...	1	...	...	...	...	...	1	...	.18
Firemen.....	4	...	...	...	...	2	...	...	...	...	1	1	...	.24
Foremen.....	6	...	...	...	...	...	...	1	1	...	...	2	2	.37
Laborers.....	190	4	19	10	5	21	12	18	17	12	10	48	14	11.63
Loaders.....	179	...	...	...	...	6	7	48	24	2	11	77	4	10.96
Machinists.....	2	...	...	...	...	...	...	...	...	...	1	...	1	.12
Machine helpers.....	24	...	...	...	...	3	...	4	5	2	1	9	...	1.47
Machine runners.....	86	1	...	...	2	5	2	11	17	2	3	38	5	5.26
Mine examiners.....	2	...	...	...	...	...	...	...	...	1	...	1	...	.12
Miners.....	608	68	75	75	5	95	51	54	56	22	12	46	49	37.21
Motormen.....	27	...	...	1	1	1	2	8	3	1	1	8	1	1.65
Shot firers.....	6	...	...	...	...	...	...	...	...	...	4	...	2	.37
Spraggers.....	6	...	1	...	...	...	...	2	...	...	...	2	1	.37
Timbermen.....	29	...	...	1	...	4	6	6	4	...	...	5	3	1.77
Trackmen.....	21	...	...	1	...	1	3	5	1	2	...	5	3	1.29
Trappers.....	11	...	3	...	...	...	...	1	3	...	...	3	1	.67
Trip riders.....	94	...	...	...	...	2	3	19	6	2	1	54	7	5.75
Total.....	1,634	77	107	100	24	168	119	227	178	66	64	374	120	100.00
Percentages.....	100.0	4.7	6.5	6.1	1.5	10.3	7.3	13.9	10.9	4.1	3.9	22.9	7.9	.....

Table 55. The conjugal relation and time lost of the injured men is shown in this table, by districts.

TABLE 55—CONJUGAL RELATION OF THE INJURED, DEPENDENTS AND TIME LOST, BY DISTRICTS.

District.	Total.	Conjugal relation.				Time lost by men returned to work—days.		Number not returned to work July 1, 1917.
		Married.	Single.	Children.	De- pendents.	Total.	Average.	
First.....	77	59	18	181	196	2,950	50.00	18
Second.....	107	66	41	182	247	4,020	54.32	33
Third.....	100	64	36	170	195	5,228	54.46	4
Fourth.....	24	12	12	28	35	1,025	73.21	10
Fifth.....	168	119	49	331	419	9,512	60.59	11
Sixth.....	119	63	56	157	208	5,636	57.51	21
Seventh.....	227	138	89	334	453	9,848	55.64	50
Eighth.....	178	97	81	225	320	7,547	59.90	52
Ninth.....	66	42	24	122	164	3,559	54.75	1
Tenth.....	64	44	20	69	112	3,268	51.87	1
Eleventh.....	374	212	162	427	627	20,005	62.71	55
Twelfth.....	130	77	53	146	222	6,349	51.62	7
The State, 1917.....	1,634	993	641	2,372	3,198	78,947	57.58	263
The State, 1916. ..	1,305	824	481	1,865	2,586	69,556	62.38	190

Table 56 shows the cause and number injured by each cause.

TABLE 56—NONFATAL ACCIDENTS, BY CAUSES, WITH PERCENTAGES, BY DISTRICTS.

Causes.	Total.	Districts.												Per- cent- ages.
		1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	
Cage.....	13	1	...	1	...	1	1	...	3	...	...	5	1	.80
Caught by objects.....	21	...	...	3	...	...	...	2	...	1	...	11	4	1.29
Falling clod.....	20	...	...	...	1	3	...	1	11	...	...	...	...	1.22
Falling coal.....	293	21	22	19	1	37	16	45	23	10	7	64	28	17.93
Falling rock.....	158	29	44	30	...	34	4	1	4	1	1	9	1	9.67
Falling slate.....	126	...	...	3	3	3	21	14	29	8	5	19	21	7.71
Fell.....	64	1	6	3	...	4	1	12	6	6	8	11	6	3.92
Flying coal.....	42	4	...	2	...	8	2	8	9	...	...	5	4	2.57
Gas explosion.....	23	1	...	...	...	2	3	...	2	...	...	10	5	1.41
Lifting and pushing objects.....	80	8	6	22	...	9	8	15	3	2	1	3	3	4.90
Machine.....	39	...	...	...	2	2	1	9	8	3	2	11	1	2.39
Motor.....	44	...	1	...	1	3	...	8	2	1	1	24	3	2.69
Mule.....	36	...	...	...	...	1	4	12	4	6	3	5	1	2.20
Pit cars.....	404	6	14	7	11	40	30	48	48	16	18	136	30	24.72
Powder and shot ex- plosion.....	9	1	...	1	...	...	...	...	1	2	1	1	2	.55
Railroad cars.....	7	...	...	...	1	...	1	...	1	...	...	3	1	.43
Struck by objects.....	162	4	12	3	2	17	8	26	19	9	5	42	15	9.91
Not stated.....	93	1	2	6	2	4	19	26	5	1	8	15	4	5.69
Total.....	1,634	77	107	100	24	168	119	227	178	66	64	374	130	100.00
Percentage.....	100.00	4.71	6.55	6.12	1.47	10.28	7.28	13.89	10.89	4.04	3.92	22.89	7.96	.....

Table 57. In this table is shown the number and per cent injured by use of powder, gas explosions, falling roof and sides, pit cars and other causes, for the year by districts and for the preceding 16 years.

TABLE 57—NONFATAL ACCIDENTS, BY CAUSES, WITH PERCENTAGES, BY DISTRICTS, FOR 1917 AND BY YEARS—1917-1901.

District and year.	Use of powder.		Gas explosions.		Falling roof and sides.		Pit cars.		Other causes.		Total.
	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	
First.....	5	6.5	1	1.3	50	64.9	6	7.8	15	19.5	77
Second.....	...	...	...	...	66	61.7	14	13.1	27	25.2	107
Third.....	3	3.0	...	...	52	52.0	7	7.0	38	38.0	100
Fourth.....	...	...	...	...	5	20.8	11	45.8	8	33.4	24
Fifth.....	8	4.8	2	1.2	77	45.8	40	23.8	41	24.4	168
Sixth.....	2	1.7	3	2.5	41	34.5	30	25.2	43	36.1	119
Seventh.....	8	3.5	...	...	61	26.9	48	21.1	110	48.5	227
Eighth.....	10	5.6	2	1.1	67	37.6	48	27.0	51	28.7	178
Ninth.....	2	3.0	...	...	19	28.8	16	24.2	29	44.0	66
Tenth.....	1	1.6	...	...	17	26.6	18	28.1	28	43.7	64
Eleventh.....	6	1.6	10	2.7	92	24.6	136	34.3	130	34.8	374
Twelfth.....	6	4.6	5	3.8	50	38.5	30	23.1	39	30.0	130
1917.....	51	3.1	23	1.4	597	35.6	404	24.7	559	34.2	1,634
1916.....	41	3.1	26	2.0	501	38.4	338	25.9	399	30.6	1,305
1915.....	27	2.7	10	1.0	450	44.4	209	20.6	317	31.3	1,013
1914.....	35	3.3	23	2.1	472	44.1	291	27.2	250	23.3	1,071
1913.....	30	2.9	33	3.2	442	43.1	300	29.3	220	21.5	1,025
1912.....	21	2.6	23	2.9	364	45.5	210	26.3	182	22.7	800
1911.....	19	2.7	11	1.5	327	46.1	211	29.8	141	19.9	709
1910.....	28	3.8	14	1.9	399	49.7	188	25.3	143	19.3	742
1909.....	38	4.2	25	2.8	423	47.3	249	27.9	159	17.8	894
1908.....	36	4.4	35	4.3	402	49.1	209	25.5	137	16.7	819
1907.....	50	7.9	9	1.4	321	51.4	171	26.9	79	12.4	636

TABLE 57—Concluded.

District and year.	Use of powder.		Gas explosions.		Falling roof and sides.		Pit cars.		Other causes.		Total.
	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	
1903.....	32	6.7	6	1.2	253	52.7	110	22.9	79	16.5	480
1905.....	50	9.3	3	.6	269	50.3	129	24.1	84	15.7	535
1904.....	54	10.6	6	1.2	264	52.1	123	24.3	60	11.8	507
1903.....	47	11.5	5	1.2	164	40.0	128	31.2	66	16.1	410
1902.....	28	6.9	2	.5	138	48.8	125	30.8	53	13.0	406
1901.....	27	6.4	3	.7	233	55.2	113	26.8	46	10.9	422

Table 58 shows the number of mines operated, men employed, tons produced, men killed and injured with per cent of increase or decrease from year to year, for 35 years.

TABLE 58—NUMBER OF MINES OPERATED, MEN EMPLOYED, TONS PRODUCED, MEN KILLED AND MEN INJURED, WITH PER CENT OF INCREASE OR DECREASE FROM YEAR TO YEAR, FOR 35 YEARS.

Year.	Mines operated.		Men employed.		Tons produced.		Men killed.		Men injured.	
	Num-ber.	Per cent in-crease (+) de-crease (-).	Num-ber.	Per cent in-crease (+) de-crease (-).	Number.	Per cent in-crease (+) de-crease (-).	Num-ber.	Per cent in-crease (+) de-crease (-).	Num-ber.	Per cent in-crease (+) de-crease (-).
1883.....	639		23,939		12,123,456		134		231	
1884.....	741	+16.0	25,575	+6.8	12,208,075	+0.7	46	-65.7	197	-14.7
1885.....	778	+5.0	25,946	+1.5	11,834,459	-3.1	39	-15.2	176	-10.7
1886.....	789	+1.4	25,846	-0.4	11,175,241	-5.6	52	+33.3	171	-2.8
1887.....	801	+1.5	26,804	+3.7	12,423,066	+11.2	41	-21.2	180	+5.3
1888.....	822	+2.6	29,410	+9.7	14,328,181	+15.3	55	+26.8	179	-0.6
1889.....	854	+3.9	30,076	+2.3	14,017,298	-2.2	42	-23.6	201	+12.3
1890.....	936	+9.6	28,574	-5.0	15,274,727	+9.0	53	+26.2	294	+46.3
1891.....	918	-1.9	32,951	+15.3	15,660,698	+3.5	60	+13.2	347	+24.8
1892.....	839	-8.7	33,632	+2.1	17,862,276	+14.1	57	-5.0	370	+0.8
1893.....	788	-6.1	35,390	+5.2	19,949,564	+11.7	69	+21.1	403	+8.9
1894.....	836	+6.1	38,477	+8.8	17,113,576	-14.2	72	+4.4	521	+29.3
1895.....	855	+2.3	38,630	+0.4	17,735,864	+3.6	75	+4.2	605	+16.1
1896.....	862	+0.8	37,032	-4.7	19,786,626	+11.6	77	+2.7	672	+11.7
1897.....	853	-1.0	33,788	-8.6	20,072,758	+1.5	69	-10.4	518	-22.9
1898.....	881	+3.3	35,026	+3.7	18,599,299	-7.3	75	+8.7	438	-15.4
1899.....	889	+0.9	36,991	+5.6	23,434,445	+26.0	84	+12.0	597	+34.3
1900.....	920	+3.5	39,384	+6.5	25,153,939	+7.3	94	+11.9	611	+2.4
1901.....	915	-0.5	44,142	+12.1	26,635,319	+5.9	99	+5.3	422	-30.9
1902.....	915		46,005	+4.2	30,021,300	+12.7	99		406	-3.8
1903.....	933	+2.0	49,814	+8.3	34,955,400	+16.4	156	+57.6	410	+1.0
1904.....	932	-0.1	54,774	+10.0	37,077,897	+6.1	157	+0.6	507	+23.7
1905.....	990	+6.2	59,230	+8.1	37,183,374	+0.3	199	+26.8	535	+5.5
1906.....	1,018	+2.8	62,283	+5.2	38,317,581	+3.1	155	-22.1	480	-10.3
1907.....	933	-8.4	66,714	+7.1	47,798,621	+24.7	165	+6.5	636	+32.5
1908.....	922	-1.2	70,841	+6.2	49,272,452	+3.1	183	+10.9	819	+28.8
1909.....	886	-3.9	72,733	+2.7	49,163,710	-0.2	213	+16.4	894	+9.2
1910.....	881	-0.6	74,634	+2.6	48,717,853	-0.9	406	+90.6	742	-17.0
1911.....	845	-4.1	77,410	+3.7	50,165,099	+3.0	157	-61.3	709	-4.5
1912.....	879	+4.0	79,411	+2.6	57,514,240	+14.6	180	+14.6	800	+12.1
1913.....	840	-4.4	79,497	+0.2	61,846,204	+7.5	175	-2.8	1,025	+28.1
1914.....	796	-5.2	80,035	+0.7	60,715,795	-1.8	159	-9.1	1,071	+4.5
1915.....	779	-2.1	75,607	-5.5	57,601,694	-5.1	180	+13.2	1,013	-5.4
1916.....	803	+3.1	75,919	+0.4	63,673,530	+10.5	165	-8.3	1,305	+28.8
1917.....	810	+9	80,893	+6.6	78,983,527	+24.0	207	+25.5	1,634	+25.2

Table 59 is a recapitulation of the nonfatal accidents, showing nature of injuries, conjugal relation and time lost.

TABLE 59—RECAPITULATION OF NONFATAL ACCIDENTS, NATURE OF INJURIES, CONJUGAL RELATIONS AND TIME LOST.

Nature of injuries.	Number.	Married.	Single.	Children.	De- pendents.	Time lost—days.		Per cent of injuries.
						Total.	Average.	
Ankle broken.....	25	15	10	39	48	1,516	75.80	1.53
Ankle injured.....	35	18	17	28	45	1,409	45.45	2.14
Arm broken.....	39	26	13	43	66	1,769	65.52	2.39
Arm injured.....	33	18	15	39	56	1,296	41.81	2.02
Back injured.....	96	65	31	154	208	4,812	62.18	5.87
Body burned.....	25	19	6	23	42	1,444	60.17	1.53
Body injured.....	234	152	82	333	466	10,423	51.86	14.32
Collar bone broken	35	20	15	58	71	1,669	53.84	2.14
Eye destroyed.....	5	4	1	8	12	218	43.60	.31
Eye injured.....	62	45	17	103	147	3,249	56.02	3.79
Finger broken.....	62	27	35	59	88	2,878	49.62	3.79
Finger cut off.....	39	18	21	31	50	1,850	56.06	2.39
Finger injured.....	71	38	33	97	126	2,834	44.28	4.35
Foot broken.....	66	31	35	74	100	4,155	76.94	4.04
Foot cut off.....	2	1	1	4	2	150	150.00	.12
Foot injured.....	118	80	38	215	276	4,979	48.81	7.22
Hand broken.....	33	10	23	22	33	1,849	68.48	2.02
Hand cut off.....	1		1					.06
Hand injured.....	69	32	37	79	108	2,797	45.11	4.22
Head injured.....	60	39	21	104	132	2,743	47.30	3.67
Leg broken.....	173	114	59	265	357	11,596	99.11	10.59
Leg cut off.....	6	4	2	3	7	226	113.00	.37
Leg injured.....	171	98	73	234	314	7,783	52.24	10.46
Pelvis broken.....	8	3	5	13	18	385	77.00	.49
Rib broken.....	59	46	13	146	171	2,520	50.40	3.61
Shoulder broken.....	8	4	4	18	22	399	57.00	.49
Shoulder injured..	31	23	8	64	85	1,354	50.15	1.90
Toe broken.....	16	9	7	31	39	522	43.50	.98
Toe cut off.....	1	1		5	6	32	32.00	.06
Toe injured.....	24	14	10	33	42	869	45.74	1.47
Wrist broken.....	22	15	7	33	48	975	48.75	1.35
Wrist injured.....	5	4	1	14	13	246	49.20	.31
Total.....	1,634	993	641	2,372	3,198	78,947	57.58	100.00

NOTE.—Two hundred sixty-three did not return to work and the lost time is not given.

Table 60. From the best information obtainable the estimated coal production of the State is as shown in this table.

TABLE 60—COAL PRODUCTION OF ILLINOIS—1833-1917.

Year.	Quantity in tons.	Year.	Quantity in tons.
1833.....	6,000	1861.....	670,000
1834.....	7,500	1862.....	780,000
1835.....	8,000	1863.....	890,000
1836.....	10,000	1864.....	1,000,000
1837.....	12,500	1865.....	1,260,000
1838.....	14,000	1866.....	1,580,000
1839.....	15,038	1867.....	1,800,000
1840.....	61,967	1868.....	2,000,000
1841.....	35,000	1869.....	1,854,000
1842.....	58,000	1870.....	2,624,163
1843.....	75,000	1871.....	3,000,000
1844.....	120,000	1872.....	3,360,000
1845.....	165,000	1873.....	3,920,000
1846.....	165,000	1874.....	4,203,000
1847.....	180,000	1875.....	4,453,178
1848.....	200,000	1876.....	5,000,000
1849.....	260,000	1877.....	5,350,000
1850.....	300,000	1878.....	5,700,000
1851.....	320,000	1879.....	5,000,000
1852.....	340,000	1880.....	6,115,377
1853.....	375,000	1881.....	6,720,000
1854.....	385,000		
1855.....	400,000	Total 49 years.....	73,123,123
1856.....	410,000	Reported to Bureau of Labor, 1882-	
1857.....	450,000	1910.....	708,914,114
1858.....	490,000	Reported to State Mining Board...	430,500,089
1859.....	530,000		
1860.....	728,000	Total output of the State.....	1,212,537,326

Tables 61, 62, 63 and 64 summarizes the items shown in this report.

TABLE 61—SUMMARY BY DISTRICTS, NUMBER OF MINES AND GRADED OUTPUT.

Districts.	Number of mines.	Total tons of coal produced	Tons of different grades.					
			Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.
First.....	52	1,779,516	508,604	731,575	211,816	21,698	267,838	37,985
Shipping.....	14	1,427,898	192,456	707,223	211,816	14,775	264,143	37,485
Local.....	38	351,618	316,148	24,352	.....	6,923	3,695	500
Second.....	81	1,823,820	182,003	1,201,022	116,356	8,024	299,248	17,167
Shipping.....	9	1,628,019	93,704	1,106,819	116,356	8,024	289,235	13,881
Local.....	72	195,801	88,299	94,203	.....	.....	10,013	3,286
Third.....	97	3,593,441	1,015,918	1,592,970	245,813	57,734	553,287	127,719
Shipping.....	24	3,318,856	894,561	1,457,554	245,813	57,734	544,344	118,850
Local.....	73	274,585	121,357	135,416	.....	.....	8,943	8,869
Fourth.....	185	2,790,350	415,717	844,403	733,656	66,972	662,614	66,988
Shipping.....	19	2,548,722	257,252	766,375	733,656	66,972	660,999	63,468
Local.....	166	241,628	158,465	78,028	.....	.....	1,615	3,520
Fifth.....	52	6,716,090	2,062,215	2,246,802	410,444	282,383	1,614,906	79,339
Shipping.....	28	6,547,072	1,919,894	2,245,725	410,444	282,383	1,609,376	79,249
Local.....	24	169,018	142,321	21,077	.....	.....	5,530	90
Sixth.....	34	7,634,571	1,416,755	2,563,889	1,508,800	118,651	1,895,579	130,897
Shipping.....	31	7,624,006	1,416,755	2,555,860	1,508,800	118,156	1,893,538	130,897
Local.....	3	10,565	.....	8,029	.....	495	2,041	.....
Seventh.....	34	10,240,425	1,411,753	4,333,510	2,007,085	111,876	1,909,664	466,537
Shipping.....	21	10,220,509	1,394,436	4,331,228	2,007,085	111,876	1,909,367	466,517
Local.....	13	19,916	17,317	2,282	.....	.....	297	20
Eighth.....	36	7,667,369	1,247,638	2,874,593	946,505	284,472	1,983,495	330,666
Shipping.....	25	7,635,895	1,231,827	2,861,926	946,505	284,472	1,980,499	330,666
Local.....	11	31,474	15,811	12,667	.....	.....	2,996	.....
Ninth.....	63	5,755,650	1,610,724	1,872,673	743,047	216,457	1,224,545	88,204
Shipping.....	47	5,652,416	1,542,437	1,844,407	743,047	216,457	1,217,864	88,204
Local.....	16	103,234	68,287	28,266	.....	.....	6,681	.....
Tenth.....	57	5,218,599	1,610,593	1,318,577	670,665	234,647	1,327,265	56,852
Shipping.....	29	5,138,500	1,575,945	1,284,571	670,665	234,647	1,316,689	55,983
Local.....	28	80,099	34,648	34,006	.....	.....	10,576	869
Eleventh.....	72	16,079,571	2,986,285	3,023,007	2,606,288	2,026,027	5,149,096	288,868
Shipping.....	42	16,035,481	2,960,283	3,010,417	2,606,288	2,026,027	5,143,873	288,593
Local.....	30	44,090	26,002	12,590	.....	.....	5,223	275
Twelfth.....	47	9,684,125	2,883,147	1,627,618	1,332,129	1,440,692	2,114,485	286,054
Shipping.....	35	9,634,680	2,863,838	1,608,875	1,332,129	1,440,692	2,104,583	284,563
Local.....	12	49,445	19,309	18,743	.....	.....	9,902	1,491
The State.....	810	78,983,527	17,351,352	24,250,639	11,532,604	4,869,633	19,002,022	1,977,276
Shipping.....	324	77,412,054	16,343,388	23,780,980	11,532,604	4,862,215	18,934,510	1,958,356
Local.....	486	1,571,473	1,007,964	469,659	.....	7,418	67,512	18,920

TABLE 62—SUMMARY BY DISTRICTS, DISPOSITION OF THE OUTPUT, COAL WASHERS AND TONS OF COAL PREPARED DURING THE YEAR.

District and mines.	Disposition of output—tons.					Coal washers or other special preparing plant.		
	Shipped from mine.	Supplied to locomotives.	Sold to railroad companies.	Sold to local trade.	Consumed and wasted at the mines.	Number in use.	Average daily capacity.	Tons prepared during the year.
First.....	905,234	45,234	284,499	263,297	281,252	1	400	32,754
Shipping.....	905,234	45,234	284,499	130,836	62,038	1	400	32,754
Local.....				132,461	219,214			
Second.....	695,572	35,827	786,091	229,270	77,000	4	825	110,635
Shipping.....	695,572	35,827	786,091	41,343	69,186	4	825	110,635
Local.....				187,927	7,814			
Third.....	2,377,905	87,324	664,753	363,130	100,329			
Shipping.....	2,377,905	87,324	664,753	104,585	84,289			
Local.....				258,545	16,040			
Fourth.....	1,758,112	12,677	687,482	250,823	81,236			
Shipping.....	1,758,112	12,677	687,482	13,039	77,412			
Local.....				237,784	3,824			
Fifth.....	4,637,812	28,644	1,426,067	465,736	157,831	1	1,000	151,575
Shipping.....	4,637,812	28,644	1,426,067	298,438	156,111	1	1,000	151,575
Local.....				167,298	1,720			
Sixth.....	4,633,259	38,674	2,345,030	423,704	193,904			
Shipping.....	4,633,259	38,674	2,345,030	413,439	193,604			
Local.....				10,265	300			
Seventh.....	3,317,119	19,375	6,519,985	103,818	280,128			
Shipping.....	3,317,119	19,375	6,519,985	83,948	280,082			
Local.....				19,870	46			
Eighth.....	6,348,323	75,474	903,633	139,558	200,381	4	950	458,931
Shipping.....	6,348,323	75,474	903,633	115,994	192,471	4	950	458,931
Local.....				23,564	7,910			
Ninth.....	4,739,783	98,761	538,895	210,685	167,526	3	1,500	146,834
Shipping.....	4,739,783	98,761	538,895	112,439	162,538	3	1,500	146,834
Local.....				98,246	4,988			
Tenth.....	3,650,825	125,589	1,097,181	174,431	170,573	1	500	78,694
Shipping.....	3,650,825	125,589	1,097,181	98,031	166,874	1	500	78,694
Local.....				76,400	3,699			
Eleventh.....	14,125,535	10,193	1,323,319	164,499	456,115	8	2,531	2,514,565
Shipping.....	14,125,535	10,193	1,323,319	129,921	453,513	8	2,531	2,514,565
Local.....				43,488	602			
Twelfth.....	5,926,349	50,116	3,229,484	93,295	384,881	8	1,040	1,124,835
Shipping.....	5,926,349	50,116	3,229,484	44,146	384,585	8	415	1,124,835
Local.....				49,149	296			
The State.....	53,115,828	627,888	19,806,419	2,882,156	2,551,236	30	1,400	4,618,823
Shipping.....	53,115,828	627,888	19,806,419	1,577,216	2,284,703	30	1,400	4,618,823
Local.....				1,304,940	266,533			

TABLE 63—SUMMARY BY DISTRICTS, HAND AND MACHINE MINING, PRICE PAID, NUMBER OF MACHINES USED, POWDER AND PERMISSIBLE EXPLOSIVES.

District.	Tons mined by—		Average price per ton for—		Number of machines in use.	Powder used for—		Permissible explosives used for blasting coal—pounds.
	Hand.	Machine.	Hand mining.	Machine mining.		Blasting coal.	Other purposes.	
First.....	1,751,502	28,014	\$0.946	\$0.76	3	13,966	602	31
Shipping.....	1,403,406	24,492	\$0.962	\$0.76	2	3,760	602	31
Local.....	348,096	3,522	.862	*	1	10,206	.....	.....
Second.....	1,757,433	66,387	\$0.938	\$0.732	12	23,322	13	3,805
Shipping.....	1,581,632	46,387	\$0.924	\$0.682	11	15,578	13	3,805
Local.....	175,801	20,000	1.082	.85	1	7,744	.....	.....
Third.....	3,209,357	384,084	\$0.834	\$0.66	34	101,108	328	2,042
Shipping.....	2,954,321	364,535	\$0.834	\$0.66	33	89,120	328	2,042
Local.....	255,036	19,549	.941	.52	1	11,988	.....	.....
Fourth.....	2,069,132	721,218	\$0.769	\$0.661	33	131,458	442	50
Shipping.....	1,827,504	721,218	\$0.731	\$0.661	33	129,921	442	50
Local.....	241,628	.....	1.074	.....	.....	1,537	.....	.....
Fifth.....	3,466,022	3,250,068	\$0.681	\$0.58	145	130,190	322	1,875
Shipping.....	3,315,485	3,231,587	\$0.674	\$0.58	144	125,730	322	1,875
Local.....	150,537	18,481	.815	*	1	4,460	.....	.....
Sixth.....	6,231,272	1,403,299	\$0.668	\$0.591	28	338,035	189	155
Shipping.....	6,220,707	1,403,299	\$0.675	\$0.591	28	337,470	189	155
Local.....	10,565	.....	.668	.....	.....	565	.....	.....
Seventh.....	1,490,302	8,750,123	\$0.665	\$0.591	269	100,920	183	125,575
Shipping.....	1,480,253	8,740,256	\$0.661	\$0.591	268	100,627	183	125,575
Local.....	10,049	9,867	1.268	.591	1	293	.....	.....
Eighth.....	1,576,164	6,091,205	\$0.653	\$0.586	208	114,418	27	250
Shipping.....	1,556,258	6,079,637	\$0.651	\$0.586	207	113,845	27	250
Local.....	19,905	11,568	.89	.591	1	553	.....	.....
Ninth.....	2,751,097	3,004,553	\$0.663	\$0.591	146	132,168	5	50
Shipping.....	2,647,833	3,004,553	\$0.661	\$0.591	146	128,803	5	50
Local.....	103,264	.....	.719	.....	.....	3,365	.....	.....
Tenth.....	2,221,796	2,996,803	\$0.635	\$0.568	126	116,645	20	75
Shipping.....	2,143,241	2,995,209	\$0.634	\$0.568	125	113,222	20	75
Local.....	78,555	1,594	.698	.67	1	3,423	.....	.....
Eleventh.....	540,351	15,539,220	\$0.632	\$0.551	637	66,778	398	1,687,593
Shipping.....	496,356	15,539,125	\$0.621	\$0.551	636	65,121	398	1,687,593
Local.....	43,995	95	.752	*	1	1,657	.....	.....
Twelfth.....	4,683,219	4,997,906	\$0.623	\$0.551	279	253,355	45	6,000
Shipping.....	4,636,774	4,997,906	\$0.621	\$0.551	279	251,636	45	6,000
Local.....	46,445	.....	.84	.....	.....	1,719	.....	.....
The State.....	31,750,647	47,232,880	\$0.714	\$0.568	1,920	1,522,363	2,574	1,827,501
Shipping.....	30,263,850	47,148,204	\$0.705	\$0.568	1,912	1,474,853	2,574	1,827,501
Local.....	1,486,797	84,676	.916	.655	8	47,510	.....	.....

TABLE 64—SUMMARY BY DISTRICTS, EMPLOYEES, DAYS WORKED, CASUALTIES, ANIMALS UNDERGROUND, MOTORS IN USE AND NUMBER OF MINES LIGHTED BY ELECTRICITY.

District.	Total number employed.	Employees.				Average days worked.	Casualties.		Animals under ground.	Number of motors in use.	Number of mines lighted by electricity.
		Miners.	Other under ground.	Boys under ground.	All on the surface.		Fatal.	Nonfatal.			
First.....	3,144	2,198	532	47	367	173	6	77	287	6	7
Shipping.....	2,568	1,781	451	47	289	250	5	73	287	6	7
Local.....	576	417	81		78	145	1	4			
Second.....	3,281	2,112	775	95	299	190	3	107	415	9	5
Shipping.....	2,848	1,788	738	95	227	245	3	105	415	9	5
Local.....	433	324	37		72	183		2			
Third.....	4,959	3,328	1,097	92	442	178	6	100	385	27	15
Shipping.....	4,511	2,984	1,050	92	385	255	6	100	385	27	15
Local.....	448	344	47		57	153					
Fourth.....	3,442	1,976	1,132	31	303	152	3	24	287	15	15
Shipping.....	2,880	1,485	1,119	31	245	247	3	24	287	15	15
Local.....	562	491	13		58	141					
Fifth.....	6,859	2,677	3,459	113	610	203	16	168	361	52	21
Shipping.....	6,630	2,512	3,441	113	564	211	14	163	361	52	21
Local.....	229	165	18		46	194	2	5			
Sixth.....	7,601	4,670	2,139	178	614	231	16	119	605	48	23
Shipping.....	7,578	4,658	2,139	171	610	227	16	119	605	48	23
Local.....	23	12		7	4	271					
Seventh.....	9,001	1,133	6,924	176	768	185	32	227	267	101	12
Shipping.....	8,938	1,085	6,922	176	755	203	32	227	267	101	12
Local.....	63	48	2		13	157					
Eighth.....	6,821	1,998	4,953	156	614	189	17	178	407	56	18
Shipping.....	6,769	1,061	4,948	156	604	207	17	178	407	56	18
Local.....	52	37	5		10	150					
Ninth.....	5,360	1,962	2,901	40	457	195	10	66	370	42	18
Shipping.....	5,227	1,865	2,888	40	434	188	10	66	370	42	18
Local.....	133	97	13		23	217					
Tenth.....	5,501	2,106	2,745	133	517	185	9	64	326	61	15
Shipping.....	5,351	2,008	2,725	133	485	200	8	63	326	61	15
Local.....	150	98	20		32	170	1	1			
Eleventh.....	15,618	547	13,098	257	1,716	160	55	374	629	249	36
Shipping.....	15,515	462	13,092	257	1,704	214	55	374	629	249	36
Local.....	103	85	6		12	85					
Twelfth.....	9,306	3,307	4,741	209	1,049	188	34	130	574	78	26
Shipping.....	9,241	3,262	4,735	209	1,035	205	34	130	574	78	26
Local.....	65	45	6		14	139					
The State.....	80,893	27,114	44,496	1,527	7,756	179	207	1,634	4,913	744	211
Shipping.....	78,056	24,951	44,248	1,520	7,337	215	203	1,622	4,913	744	211
Local.....	2,837	2,163	248	7	419	154	4	12			

MINE INSPECTION SERVICE.

ANNUAL REPORT OF STATE INSPECTORS OF MINES.

FIRST INSPECTION DISTRICT.

COUNTIES—GRUNDY, LASALLE, LIVINGSTON AND WILL. T. A. LEWIS, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the First District, comprising the coal producing counties of Grundy, LaSalle, Livingston and Will.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	4
Number of shipping mines.....	14
Number of local mines.....	38
Number of new or reopened mines.....	12
Number of closed or abandoned mines.....	10
Number of men underground.....	2,740
Number of boys underground.....	47
Number of men outside the mine.....	354
Number of boys outside the mine.....	3
Number of employees, total.....	3,144
Total tons of coal produced.....	1,779,516
Days of active operation, all mines.....	173
Kegs of powder used for blasting coal.....	13,966
Number of fatal accidents.....	6
Number of nonfatal accidents.....	77
Number of employees to each fatal accident.....	524
Number of employees to each nonfatal accident.....	41
Tons of coal produced to each fatal accident.....	296,586
Tons of coal produced to each nonfatal accident.....	23,111
Ratio of fatal accidents per 1,000 employees.....	1.91

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Grundy.....	408,064	253	709	305,000	111	745	103,064	142	.....	.....	.....	36
LaSalle.....	1,134,584	159	2,019	1,170,200	167	2,605	.....	.....	.....	35,616	8	586
Livingston.....	151,796	189	221	103,979	240	168	47,817	.....	53	.....	51	.....
Will.....	85,072	240	195	128,844	170	382	.....	70	.....	43,772	.....	187
Total and average	1,779,516	173	3,144	1,708,023	169	3,900	150,881	.....	53	79,388	.....	809
Net.....	.....	.....	.....	.....	.....	.....	71,493	4	.....	.....	.....	756

NEW MINES.

The following mines have been made or reopened since last report:

LaSalle County.—DeMoss and Son, Kangley; Thomas Mitchell, Fred Lawton, Chas. Baldwin, W. Akers, Heenanville Coal Co., Munts Bros., Wonders & Son, McMillen & Son, Joe Blank, Streator; Brooker Bros., Lowell; James Lucas, Manville.

ABANDONED MINES.

Ten mines were reported as having been abandoned, or not operated, during the year, as follows:

Grundy County.—James Bell and W. Hodson.

LaSalle County.—Chicago, Wilmington and Franklin No. 3, Acme Coal Co., Jack McNeil, Pratt Coal Co., Smith Bros., Demoss & Son, C. J. Clark, Murphy, Linskey and Kasher.

The following change in ownership will be noted:

Mitchell & Rossi to John Mitchell; Hakes & Lyon to Rutland Coal Co.; Ed Liptack & Son to Lotis W. Liptack.

FATAL ACCIDENTS.

August 23, 1916, John Gorski, Miner, age 32 years, married, was killed by falling rock, in the LaSalle County Carbon Coal Company's No. 1 mine, Jonesville, LaSalle County. He leaves a widow and four children.

October 26, 1916, James Price, fireman, age 62 years, single, employed at the Chicago, Wilmington and Franklin Coal Company's No. 3 mine, South Wilmington, Grundy County, died from the effects of burns received the previous day from escaping steam from the blow-off pipe.

January 4, 1917, Princo Barnebel, miner, age 27 years, single, was killed by a fall of rock in the LaSalle County Carbon Coal Company's mine No. 5, Cedar Point, LaSalle County. Deceased had neglected to set a prop under a loose rock and it fell upon him while at work under it.

March 15, 1917, Frank Kelypan, miner, aged 40 years, married, was killed by falling rock in LaSalle County Carbon Coal Company's Union mine, Peru, LaSalle County. He leaves a widow.

May 8, 1917, L. Kramersic, miner, age 39 years, married, was killed by flying coal in Mathiesen and Hegeler Zinc Company's mine, LaSalle, LaSalle County. He leaves a widow and four children.

June 30, 1917, Thomas Woodfine, miner, age 43 years, married, was killed by falling rock in the Murphy, Linskey and Kasher mine, Pontiac, Livingston County. He leaves a widow and one child.

Respectfully submitted,

T. A. LEWIS,
Inspector, LaSalle, Illinois.

FATAL CASUALTIES, FIRST DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Mar. ed.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
Aug. 23	John Gorski.....	32	Miner.....	Oglesby.....	1	1	4	5		Falling roof.
Oct. 26	James Price.....	62	Fireman.....	Clark City.....	1	1				Steam.
1917										
Jan. 4	Primo Barnabei.....	27	Miner.....	Cedar Point.....	1	1				Falling roof.
Mar. 15	Frank Kelypan.....	40	do.....	LaSalle.....	1	1		1		Falling roof.
May 8	L. Kramer sie.....	39	do.....	do.....	1	1	4	5		Flying coal.
June 30	Thomas Woodfine.....	43	do.....	Pontiac.....	1	1	1	2		Falling roof.
	Total.....				4	2	4	9	13	

RECAPITULATION OF FATAL ACCIDENTS, FIRST DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Cedar Point.....	1	Fireman.....	1	Falling roof.....	4	C., W. & F. Coal Co....	1
Clark City.....	1	Miners.....	5	Flying coal.....	1	LaSalle Co. C. C. Co....	3
LaSalle.....	2			Steam.....	1	M. & H. Zinc Co.....	1
Oglesby.....	1					Murphy, Linskey & Kasher.....	1
Pontiac.....	1						
Total.....	6		6		6		6

NONFATAL CASUALTIES, FIRST DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July 17	Wm. Anderson, Sr.....	59	So. Wilmington	1	7	1	1	Ribs broken, falling prop.....	40
18	R. Thompson.....	52	Gardner.....	1	9	5	1	Finger injured, pit car.....	39
Aug. 10	Louis Naretti.....	56	Marseilles.....	1	5	2	2	Leg injured, falling rock.....	35
10	Peter Veechili.....	56	Cedar Point.....	1	3	4	1	Leg injured, falling coal.....	45
12	John Perot.....	56	Peru.....	1	1	1	1	Leg injured, falling rock.....	30
14	Jos. Rue.....	53	LaSalle.....	1	4	5	1	Finger cut off, falling rock.....	48
Sept. 1	Mike Zamborini.....	39	Oglesby.....	1	1	2	1	Leg broken, falling coal.....	113
6	Malcom Hamilton.....	41	do.....	1	1	1	1	Hand injured, falling coal.....	46
6	C. Bertulucci.....	33	Cedar Point.....	1	1	1	1	Body injured, lifting coal.....	74
14	Joseph Rogel.....	33	LaSalle.....	1	4	5	1	Hand broken, falling rock.....	53
21	Barney Bertino.....	17	Godley.....	1	1	1	1	Leg injured, falling rock.....	63
Oct. 5	B. Raschiotti.....	62	So. Wilmington	1	2	1	1	Back injured, falling coal.....	161
9	Virg. Poli.....	37	do.....	1	4	5	1	Finger broken, falling rock.....	37
18	John Smith.....	41	do.....	1	6	7	1	Collar bone broken, falling rock.....	37
Nov. 28	John Seghi.....	32	Cedar Point.....	1	3	4	1	Toe injured, falling rock.....	43
1	John Chelebus.....	56	Oglesby.....	1	7	6	1	Ankle injured, falling coal.....	36
2	Victor Sollatta.....	55	Pontiac.....	1	6	7	1	Finger injured, pit car.....	30
8	Wm. Alderson, Sr.....	60	So. Wilmington	1	7	1	1	Body injured, falling rock.....	56
8	Edward Siers.....	62	LaSalle.....	1	1	1	1	Foot injured, falling coal.....	36
8	J. Enbsio.....	38	Cedar Point.....	1	4	5	1	Eye injured, flying coal.....	30
13	R. Amerello.....	54	LaSalle.....	1	1	1	1	Hand broken, falling rock.....	53
14	Felix Gamana.....	21	Coal City.....	1	1	1	1	Body injured, not stated.....	42
17	Joseph C. Viano.....	43	do.....	1	1	1	1	Eye injured, flying coal.....	81
20	Anton Kosloski.....	67	LaSalle.....	1	1	1	1	Shoulder injured, falling rock.....	60
23	Robt. Lefferty.....	48	Peru.....	1	1	1	1	Back injured, lifting coal.....	49
27	John Balbinot.....	60	Coal City.....	1	1	1	1	Head burned, gas explosion.....	30
Dec. 1	Andrew Malachi.....	37	Oglesby.....	1	2	3	1	Back injured, lifting coal.....	31

NONFATAL CASUALTIES, FIRST DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character, of injury and cause of accident.	Time lost—days.
1916									
Dec. 9	Antone Mikus.....	55	Peru.....	1	1	7	4	Ribs broken, falling coal.....	58
26	T. Dirkes.....	26	do.....	1	1			Body injured, pit car.....	41
27	Luigi Ulivi.....	41	Coal City.....	1	1		1	Back injured, falling rock.....	36
1917									
Jan. 2	Victor Kaehlij.....	33	Joaesville.....	1	1	3	4	Body injured, falling coal.....	*
3	Bat. Gays.....	48	So. Wilmington.....	1	1	5	3	Ankle injured, falling coal.....	85
4	Jas. Champly.....	50	Pontiac.....	1	1	4	5	Rib broken, struck car.....	30
9	Manuel Torkio.....	30	LaSalle.....	1	1	4	5	Back injured, lifting rock.....	*
10	Albert Lessmeister.....	55	Peru.....	1	1	5	2	Leg broken, falling coal.....	*
11	Barney Blessert.....	18	So. Wilmington.....	1	1			Ankle injured, jumped off car.....	60
17	Russell Sarrett.....	18	Oglesby.....	1	1			Foot broken, falling coal.....	41
18	Pasu Ferrouiri.....	47	So. Wilmington.....	1	1			Body injured, falling rock.....	49
18	Joe Guzion.....	53	Peru.....	1	1	1	2	Foot injured, falling rock.....	*
19	Joe Graff.....	59	So. Wilmington.....	1	1		1	Finger broken, falling rock.....	56
30	E. Mantechi.....	29	Cedar Point.....	1	1			Head injured, falling rock.....	*
Feb. 1	Ben Henke.....	30	Coal City.....	1	1		1	Body injured, falling rock.....	32
7	Wm. Lebeau.....	30	Cedar Point.....	1	1	5	6	Body injured, pit car.....	*
10	Gaston Liebnz.....	33	Peru.....	1	1	3	4	Back injured, lifting rock.....	38
12	Frank Roebuck.....	44	Oglesby.....	1	1	2	3	Leg broken, pit car.....	*
15	Frank Peterlin.....	42	Deer Park.....	1	1	3	4	Arm injured, struck coal.....	32
19	Leo Valentis.....	48	Oglesby.....	1	1	6	7	Shoulder injured, falling coal.....	*
19	Dom Cornia.....	30	Cedar Point.....	1	1	3	4	Body injured, lifting car.....	60
21	Fred Cunico.....	42	Marseilles.....	1	1	4	5	Leg injured, falling rock.....	129
24	Alec. M. Luckie.....	51	Coal City.....	1	1		1	Eye injured, flying coal.....	35
28	Peter Grott.....	40	So. Wilmington.....	1	1		1	Back injured, falling rock.....	*
Mar. 7	John Schalla.....	67	LaSalle.....	1	1		1	Finger cut off, falling coal.....	60
12	M. Franckey.....	36	Cedar Point.....	1	1	3	4	Arm broken, struck prop.....	*
17	Jno. Hamilton.....	53	Oglesby.....	1	1	2	1	Foot injured, falling coal.....	45
19	Dan Rosa.....	56	So. Wilmington.....	1	1	2	3	do.....	*
21	Antone Genett.....	47	LaSalle.....	1	1	3	1	Body injured, falling rock.....	73
25	Aud. Crosetto.....	58	So. Wilmington.....	1	1	3	3	Collar bone broken, falling coal.....	70
27	Victor Fabish.....	39	Rutland.....	1	1	6	7	Body injured, cage.....	31
Apr. 9	Anton Crosetto.....	27	So. Wilmington.....	1	1			Hand broken, falling rock.....	35
11	Louis Bufo.....	24	Torino.....	1	1		1	Body injured, pit cars.....	35
13	Jasper Domzello.....	32	LaSalle.....	1	1	2	3	Back injured, lifting coal.....	*
13	L. Kloss.....	55	do.....	1	1			Wrist broken, falling coal.....	*
24	L. Niniski.....	57	Streator.....	1	1	5	6	Body injured, pushing car.....	37
26	Paul Truffa.....	45	So. Wilmington.....	1	1	6	7	Toe broken, falling rock.....	35
27	Alec. Gilmour.....	62	Coal City.....	1	1		1	Eye injured, flying coal.....	54
May 1	Fred Rossi.....	30	Streator.....	1	1			Head injured, shot explosion.....	37
7	Virg. Poli.....	37	So. Wilmington.....	1	1	4	5	Body injured, falling rock.....	49
7	Eli Rasponi.....	39	Oglesby.....	1	1	3	4	Toe broken, falling rock.....	34
14	Clement Beaumont.....	33	do.....	1	1	1	2	Leg injured, falling rock.....	40
14	Aug. Slepauk.....	36	So. Wilmington.....	1	1			Body injured, falling coal.....	*
16	Louis Sprindis.....	44	Oglesby.....	1	1	5	6	do.....	42
16	Valentine Stenovitch.....	60	LaSalle.....	1	1		1	Shoulder injured, falling rock.....	*
19	J. Leon.....	50	Peru.....	1	1	3	4	Head injured, falling coal.....	*
21	Dom Bertino.....	25	So. Wilmington.....	1	1			Foot injured, falling rock.....	*
23	Battista Barra.....	46	Coal City.....	1	1	3	3	Shoulder injured, falling coal.....	32
27	Frank Senbak.....	27	Peru.....	1	1	1	2	Foot broken, falling rock.....	70
June 23	Oreste Picchioni.....	35	So. Wilmington.....	1	1			Toe broken, falling rock.....	*
	Total.....			59	18	181	196		

* Not returned to work, June 30, 1917.

Number injured..... 77

Number not returned..... 18

Number returned..... 59

Time lost by men returned to work, days... 2,950

Average days lost..... 50.00

RECAPITULATION OF NONFATAL ACCIDENTS, FIRST DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Cedar Point.....	8	Cager.....	1	Cage.....	1	C., W. & F. Coal Co.....	19
Coal City.....	8	Drivers.....	3	Falling coal.....	21	Illinois Zinc Co.....	8
Deer Park.....	1	Laborers.....	4	Falling prop.....	1	LaSalle Co. C. C. Co.....	23
Gardner.....	1	Machine runner.....	1	Falling rock.....	29	Manufacturers Coal Co.....	2
Godley.....	1	Miners.....	68	Flying coal.....	4	M. & H. Zinc Co.....	2
Jonesville.....	1			Gas explosion.....	1	Murphy, Linskey & Kasher.....	2
LaSalle.....	11			Jumped off car.....	1	Oglesby Coal Co.....	10
Marseilles.....	2			Lifting objects.....	7	Rutland Coal Co.....	1
Oglesby.....	11			Pit cars.....	6	Wilm. C. M. & Mfg. Co.....	2
Peru.....	9			Pushing ear.....	1	Wilmington Star Coal Co.....	8
Pontiac.....	2			Shot explosion.....	1		
Rutland.....	1			Struck by objects.....	3		
So. Wilmington.....	18			Not stated.....	1		
Streator.....	2						
Torino.....	1						
Total.....	77		77		77		77

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, FIRST DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle injured.....	3	2	1	12	9	181	60.33	3.90
Arm broken ¹	1	1		3	4			1.30
Arm injured.....	1	1		3	4	32	32.00	1.30
Back injured ²	8	7	1	13	18	315	63.00	10.38
Body injured ³	16	10	6	41	41	612	47.08	20.77
Collar bone broken.....	2	2		9	10	107	53.50	2.60
Eyes injured.....	4	4		4	8	200	50.00	5.19
Finger broken.....	2	2		4	6	93	46.50	2.60
Finger cut off.....	2	2		4	6	108	54.00	2.60
Finger injured.....	2	2		15	12	69	34.50	2.60
Foot broken.....	2	1	1	1	2	111	55.50	2.60
Foot injured ²	3	4	1	5	7	81	40.50	6.49
Hand broken.....	3	2	1	4	6	141	47.00	3.90
Hand injured.....	1		1			46	46.00	1.30
Head injured ³	4	2	2	3	5	67	33.50	5.19
Leg broken ³	3	3		8	7	113	113.00	3.90
Leg injured.....	6	5	1	13	14	342	57.00	7.79
Ribs broken.....	3	3		18	10	128	42.67	3.90
Shoulder injured ³	4	3	1	9	12	92	46.00	5.19
Toe broken ¹	3	2	1	9	11	69	34.50	3.90
Toe injured.....	1	1		3	4	43	43	1.30
Wrist broken ¹	1		1					1.30
Total.....	77	59	18	181	196	2,950	50.00	100.00

¹ One not returned to work.² Three not returned to work.³ Two not returned to work.

GRUNDY COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Chi., Wil. & Frank. C. Co., No. 3	S. Wilm'gton	276,380	239,117	.....	18,097	9,915	9,251
2	Wilmington Star M. Co., No. 7..	Coal City.....	129,884	110,413	.....	8,177	6,938	4,356
Total.....			406,264	349,530	.....	26,274	16,853	13,607
LOCAL MINES.								
1	John & George Mitchell.....	Morris.....	1,800	.....	.....	.....	1,800	.....
Total—3 mines.....			408,064	349,530	.....	26,274	18,653	13,607

Mines in 1916, 5. Abandoned mines, 2. Mines in 1917, 3.

LASALLE COUNTY,

SHIPPING MINES.								
1	Oglesby Coal Co.....	Oglesby.....	197,584	61,209	1,166	116,220	7,118	11,871
2	LaSalle Co. Carbon C. Co., No. 5	LaSalle.....	189,860	61,073	.....	113,713	2,801	12,273
3	LaSalle Co. Carbon C. Co., No. 1	do.....	180,220	152,990	.....	15,872	3,931	7,427
4	LaSalle Co. Carbon C. Co., Union	do.....	97,589	27,959	20,202	6,298	42,241	889
5	Illinois Zinc Co., No. 3.....	Peru.....	72,645	61,669	7,095	.....	1,534	2,347
6	LaSalle Co. C. C. Co., LaSalle..	LaSalle.....	60,853	32,319	.....	3,418	22,194	2,922
7	Illinois Zinc Co., No. 1.....	Deer Park.....	53,524	50,513	.....	.....	622	2,389
8	G. & J. Coal Co., No. 1.....	Seneca.....	22,374	12,749	49	2,704	5,765	1,107
9	Rutland Coal Co., No. 2.....	Rutland.....	11,125	9,113	.....	.....	870	1,142
	Total.....		885,774	469,594	28,512	258,225	87,076	42,367
LOCAL MINES.								
1	Mathiessen & Hegeler Zinc Co., No. 1.....	LaSalle.....	170,148	.....	.....	.....	9,342	160,806
2	Manufacturers Coal Co.....	Marseilles.....	30,524	.....	.....	.....	29,253	1,271
3	Munts Bros.....	Streator.....	17,500	.....	.....	.....	17,500	.....
4	Seroko Flavell Coal Co.....	do.....	6,936	.....	.....	.....	6,936	.....
5	Chicago Retort Co.....	Ottawa.....	5,330	.....	.....	.....	.....	5,330
6	National Fire Proofing Co.....	do.....	3,300	.....	.....	.....	3,300	.....
7	Donkin Stobs.....	Streator.....	3,091	.....	.....	.....	2,821	270
8	Prairie Creek Coal Co.....	do.....	1,942	.....	.....	.....	1,842	100
9	Thomas & Rheel.....	do.....	1,706	.....	.....	.....	1,706	.....
10	DeMoss & Son.....	Kangley.....	1,670	.....	.....	.....	1,670	.....
11	Illinois Clay Product Co.....	Oglesby.....	1,185	.....	.....	.....	1,185	.....
12	John Petrotte.....	Kangley.....	1,000	.....	.....	.....	1,000	.....
13	Lakatoes & Uhrin.....	Streator.....	1,000	.....	.....	.....	1,000	.....
14	John Roth.....	Tonia.....	800	.....	.....	.....	800	.....
15	William Francis.....	Streator.....	600	.....	.....	.....	600	.....
16	Wm. Bottomley.....	Utica.....	400	.....	.....	.....	400	.....
17	Grover Gilbert.....	Streator.....	300	.....	.....	.....	300	.....
18	Thomas Mitchell.....	do.....	250	.....	.....	.....	250	.....
19	Herriek Clay Mfg. Co.....	Ottawa.....	200	.....	.....	.....	.....	200
20	Fred Lawton.....	Streator.....	156	.....	.....	.....	156	.....
21	Brooker Bros.....	Lowell.....	145	.....	.....	.....	145	.....
22	Thomas Mooney.....	Ottawa.....	135	.....	.....	.....	135	.....
23	Charles Hendee.....	do.....	127	.....	.....	.....	127	.....
24	Charles Baldwin.....	Streator.....	125	.....	.....	.....	125	.....
25	L. W. Brewer.....	Ottawa.....	120	.....	.....	.....	120	.....

LASALLE COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
26	W. Akers.....	Streator.....	50	.....	.....	.....	50	.....
27	Lottis Liptak.....	do.....	35	.....	.....	.....	35	.....
28	Heenanville Coal Co.....	do.....	35	.....	.....	.....	30	5
Total.....			248,810	.....	.....	.....	80,828	167,982
Total—37 mines.....			1,134,584	469,594	28,512	258,225	167,904	210,349

Mines in 1916, 37. New mines, 7. Abandoned mines, 7. Mines in 1917, 37.

LIVINGSTON COUNTY,

SHIPPING MINES.								
1	Murphy, Linskey & Kasher Coal Co., No. 1.....	Pontiac.....	38,398	18,269	.....	.....	17,900	2,229
2	Fairbury Coal Co., West.....	Fairbury.....	27,000	5,139	16,722	.....	4,904	235
Total.....			65,398	23,408	16,722	.....	22,804	2,464
LOCAL MINES.								
1	Streator Clay Mfg. Co.....	Streator.....	29,785	.....	.....	.....	.....	29,785
2	Barr Clay Co.....	do.....	19,404	.....	.....	.....	.....	19,404
3	Munts Bros. Coal Co.....	do.....	16,775	.....	.....	.....	16,000	775
4	Fairbury Miners Co-operative Coal Co.....	Fairbury.....	15,014	.....	.....	.....	14,253	761
5	Wonders Bros.....	Streator.....	4,000	.....	.....	.....	4,000	.....
6	McMillen & Son.....	do.....	1,200	.....	.....	.....	1,193	7
7	Joe Blank.....	do.....	160	.....	.....	.....	160	.....
8	James Lucas.....	Manville.....	60	.....	.....	.....	60	.....
Total.....			86,398	.....	.....	.....	35,666	50,732
Total—10 mines.....			151,796	23,408	16,722	.....	58,470	53,196

Mines in 1916, 5. New mines, 5. Mines in 1917, 10.

WILL COUNTY,

SHIPPING MINES.								
1	Wilm. C. M. & Mfg. Co., No. 6..	Torino.....	70,462	62,702	.....	.....	4,160	3,600
LOCAL MINES.								
1	Oswald & Young.....	Braidwood...	14,610	.....	.....	.....	14,110	500
Total—2 mines.....			85,072	62,702	.....	.....	18,270	4,100

Mines in 1916, 3. Abandoned mines, 1. Mines in 1917, 2.

FIRST DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
.....	1	.....	20	2	50	.....	.....	.....	.....	.....	.....	.....	.....	26
.....	5	1	25	11	35	.....	.....	.....	.....	.....	.....	.....	.....	27
.....	2	1	6	4	35	.....	.....	.....	.....	.....	.....	.....	.....	28
8,766	66	12	132	402	245,288	3,522	1	1	4	....	....	....	....	....
8,766	116	27	159	2,019	1,106,570	28,014	3	4	46	6	207	....	....	....

FIRST DISTRICT, 1917.

2,560	.....	5	1	259	58	38,398	.....	.....	1	2	.....	6	.....	.....	.....	1
1,200	.....	4	2	249	40	27,000	.....	.....	.....	.....	.....	5	.....	.....	.....	2
3,760	.....	9	3	254	98	65,398	.....	.....	1	2	.....	11	.....	.....	.....	.....
400	.....	3	2	293	48	29,785	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	200	11	19,404	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
.....	.....	2	.....	300	14	16,775	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
1,040	.....	3	2	244	24	15,014	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
.....	.....	4	.....	150	13	4,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	2	.....	138	9	1,200	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	35	3	160	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
.....	.....	1	.....	25	1	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
1,440	.....	15	4	173	123	86,398	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5,200	.....	24	7	189	221	151,796	.....	.....	1	2	.....	11	.....	.....	.....	.....

FIRST DISTRICT, 1917.

.....	10	7	1	279	150	70,462	.....	.....	2	.....	19	.....	.....	.....	.....	1
.....	.....	5	1	200	45	14,610	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	10	12	2	240	195	85,072	.....	.....	2	.....	19	.....	.....	.....	.....	.....

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Grundy	2	406,264	349,530	1	26,274	14,853	13,607	.....	21
2	LaSalle	9	885,774	469,594	28,512	258,225	87,076	42,367	.....	.....
3	Livingston	2	65,398	23,408	16,722	.....	22,804	2,464	3,760	.....
4	Will	1	70,462	62,702	.....	.....	4,160	3,500	.....	10
	Total	14	1,427,898	905,234	45,234	284,499	130,893	62,038	3,760	31

LOCAL MINES, RECAPITULATION BY

1	Grundy	1	1,800	.....	.....	.....	1,800	.....	.....	.....
2	LaSalle	28	248,810	.....	.....	.....	80,828	167,982	8,766	.....
3	Livingston	8	86,398	.....	.....	.....	35,666	50,732	1,440	.....
4	Will	1	14,610	.....	.....	.....	14,110	500	.....	.....
	Total	38	351,618	.....	.....	.....	132,494	219,214	10,206	.....
	The district. ...	52	1,779,516	905,234	45,234	284,499	263,297	281,252	13,966	31

ALL MINES, RECAPITULATION BY

1	Grundy	3	408,064	349,530	.....	26,274	18,653	13,607	.....	21
2	LaSalle	37	1,134,584	469,594	28,512	258,225	167,904	210,349	8,766	.....
3	Livingston	10	151,796	23,408	16,722	.....	58,470	53,196	5,200	.....
4	Will	2	85,072	62,702	.....	.....	18,270	4,100	.....	10
	Total	52	1,778,516	905,234	45,234	284,499	263,297	281,252	13,966	31

Whole number of mines reported for 1916, 50.

Number of new and reopened mines during the year, 12.

Number of mines abandoned during the year, 10.

Whole number of mines reported for 1917, 52.

COUNTIES, FIRST DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
267	703	406,264	.....	.....	1	27	.....	50	1	400	32,754	1
242	1,617	861,282	24,492	2	3	42	6	207	.....	.....	.....	2
254	98	65,398	.....	.....	1	2	.....	11	.....	.....	.....	3
279	150	70,462	.....	.....	.....	2	.....	19	.....	.....	.....	4
249	2,568	1,403,403	24,492	2	5	73	6	287	1	400	32,754	

COUNTIES, FIRST DISTRICT, 1917.

225	6	1,800	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
132	402	245,288	3,522	1	1	4	.....	.....	.....	.....	.....	2
173	123	86,398	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
200	45	14,610	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
145	576	348,096	3,522	1	1	4	.....	.....	.....	.....	.....
173	3,144	1,751,502	28,014	3	6	77	6	287	.....	.....	.....

COUNTIES, FIRST DISTRICT, 1917.

253	700	408,064	.....	.....	1	27	.....	50	.....	.....	.....	1
159	2,019	1,106,570	28,014	3	4	46	6	207	.....	.....	.....	2
189	221	151,796	.....	.....	1	2	.....	11	.....	.....	.....	3
240	195	85,072	.....	.....	.....	2	.....	19	.....	.....	.....	4
173	3,144	1,751,502	28,014	3	6	77	6	287	.....	.....	.....

SECOND INSPECTION DISTRICT.

COUNTIES—BUREAU, HENRY, KNOX, MERCER, ROCK ISLAND, STARK AND WARREN.
WALTER WAITE, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Second District, comprising the coal producing counties of Bureau, Henry, Knox, Mercer, Rock Island, Stark and Warren.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	7
Number of shipping mines.....	9
Number of local mines.....	72
Number of new or reopened mines.....	15
Number of closed or abandoned mines.....	14
Number of men underground.....	2,887
Number of boys underground.....	95
Number of men outside the mine.....	290
Number of boys outside the mine.....	9
Total number of employ��es.....	3,281
Total tons of coal produced.....	1,628,019
Days of active operation, all mines.....	189
Kegs of powder used for blasting coal.....	23,322
Number of fatal accidents.....	3
Number of nonfatal accidents.....	107
Number of employees to each fatal accident.....	1,094
Number of employees to each nonfatal accident.....	31
Tons of coal produced to each fatal accident.....	542,673
Tons of coal produced to each nonfatal accident.....	15,215
Ratio of fatal accidents per 1,000 employees.....	.91

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Bureau.....	1,390,552	222	2,537	1,298,582	215	2,827	91,970	7	.....	.....	.....	290
Henry.....	45,951	249	93	50,019	223	116	.....	26	.....	4,068	.....	23
Knox.....	38,940	168	82	17,140	136	82	21,800	32	.....	.....	.....	.....
Mercer.....	264,452	172	381	354,009	170	468	.....	2	.....	89,557	.....	87
Rock Island.....	57,727	169	99	29,937	140	83	27,790	29	16	.....	.....	.....
Stark.....	18,257	158	66	13,531	167	53	4,726	.....	13	.....	9	.....
Warren.....	7,941	220	23	5,440	144	20	2,501	76	3	.....	.....	.....
Total and average	1,823,820	190	3,281	1,768,658	168	3,649	148,787	.....	32	93,625	.....	400
Net.....	.....	.....	.....	.....	.....	.....	55,162	22	.....	.....	.....	368

NEW MINES.

The new or reopened mines are as follows:

Bureau County.—Nelson and Moran, Wm. J. Masters, A. M. Mapes, Sheffield.

Henry County.—Herman, Carlson and Johnson, Kewanee.

Knor County.—W. H. Bowman & Co., Rapatee; James D. Gale, Victoria; C. J. Bangston, Wataga.

Mercer County.—Wm. Rodensky, Viola; John Taylor, Osear Thomas, Matherville.

Rock Island County.—Pryce Coal Co., Coal Valley.

Stark County.—W. J. Duncan, Neponset; T. T. McDaniel, John Thornycroft, Wyoming.

ABANDONED MINES.

The following have not been reported this year and are classed as abandoned mines:

Henry County.—Joseph Engle & Co., Northeast Coal Co., Kewanee.

Knor County.—Peter Clara, Middlegrove; McGovern & Layhs, Oneida; Daniel Pearson, Rapatee.

Mercer County.—R. W. Peterson, Aledo; S. J. Young, New Windsor.

Rock Island County.—Jameison & Irwin, Lair & Schraeder, Moline; Pryce Coal Co., Coal Valley.

Stark County.—Curtis & Adleman, T. T. McDaniel, Wyoming; C. J. Newton, Toulon.

Warren County.—Bryner Bros., Roseville.

CHANGE OF NAME.

Charles Gladfelter to J. E. Walsh; Charles Morgan to A. D. Morgan; Clyde Morse to Homer Morse; Lee and Hagman to McCrame and Lee; Cook and Oltman to David Cook; Waite Bros. to Jesse Saville.

IMPROVEMENTS.

The St. Paul Coal Company, Cherry, Bureau County, has driven two new air-courses and built two concrete over-casts which has added four more splits to the ventilation.

The Springvalley Coal Company, at mine No. 1, Springvalley, has installed one 200-kilowatt motor-generator set, taking 2,300 volts, alternating current from a high tension feed line, generating 275 volts, direct current, which is conducted down the shaft by means of a cable incased in a 3-inch conduit. The power is transmitted for the purpose of operating mining machines and haulage motors, and there is in operation at this time three 7-ton General Electric Co. haulage motors, eight Sullivan and one Goodman longwall mining machines. All haulage roads and partings have been enlarged and retimbered, to accommodate motor haulage, and 11,700 feet of trolley wire, protected by section insulators, has been strung. This mine is being gradually changed from pick to machine mining, and will be an exclusive machine mine, the first longwall mine in this district to be operated exclusively with mining machines. This company is also improving and enlarging the wash-houses at mines 1, 3 and 5.

The Illinois Third Vein Coal Company at mine No. 1, Ladd, Bureau County, has installed two 7-ton Westinghouse haulage motors and purchased seven Sullivan longwall mining machines, two of which have been installed and working, two more have just been received and the other three will be received within the next two months. This mine will be operated exclusively with mining machines. New guides have been placed in the hoisting shaft, and about sixty feet of the escape shaft relined.

The Coal Valley Mining Company, at mine No. 3, Matherville, Mercer County, is opening a new slope on the north side of Edwards River. On

the south side of Edwards River they are opening a new slope into a new coal field. The air shaft is being sunk and 5,100 feet of electric transmission line to convey electric power from the Rock Island Southern Lines to operate in this new mine is being built, and 2,300 feet of new track between the two new slope openings and a steel bridge across Edwards River are under construction. All of the above improvements are for the purpose of mining and hauling the coal from the new field on the south side of Edwards River to the tippie at mine No. 3.

The Alden Coal Company, at mine No. 7, Matherville, Mercer County, has made contract for electric power and electric haulage and electric pumps will be installed as soon as delivery can be made.

FATAL ACCIDENTS.

July 8, 1916, William Billard, cager, age 24 years, married, was killed by rock falling from top landing and striking him on the head, in St. Paul Coal Company's mine, Cherry, Bureau County. He leaves a widow and one child.

November 21, 1916, Victor Cantelli, miner, age 32 years, married, was killed in St. Paul Coal Company's No. 2 mine, Cherry, Bureau County, by falling coal. He leaves a widow and two children.

May 26, 1917, Anton Savant, trapper, age 17 years, single, was killed by a motor in the No. 5 mine, Springvalley Coal Company, Springvalley, Bureau County. He leaves three dependents.

Respectfully submitted,

WALTER WAITE,
Inspector, Springvalley, Illinois.

FATAL CASUALTIES, SECOND DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916 July 8	Wm. Billard.....	24	Cager.....	Cherry.....	1	1	1	2		Falling rock.
Nov. 21	Victor Cantelli.....	32	Miner.....	Cherry.....	1	1	2	3		Falling coal.
1917 May 26	Anton Savant.....	17	Trapper.....	Dalzell.....	1	1	1	3		Motor.
	Total.....				2	1	2	3	8	

RECAPITULATION OF FATAL ACCIDENTS, SECOND DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Cherry.....	2	Cager.....	1	Falling rock.....	1	St. Paul Coal Co.....	2
Dalzell.....	1	Miner.....	1	Falling coal.....	1	Springfield Coal Co.....	1
		Trapper.....	1	Motor.....	1		
Total.....	3		3		3		3

NONFATAL CASUALTIES, SECOND DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married. Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost— days.
1916								
July	12 Tarso Grossi.....	33	Cherry.....	1	2	3	Leg injured, not stated.....	31
	14 Dom Chokette.....	49	do.....	1	5	6	Eye injured, foreign substance.....	33
	16 Andrew Waselefski.....	50	Springvalley.....	1	5	6	Leg injured, falling coal.....	42
	20 John Oriente.....	25	Cherry.....	1	3	4	Foot injured, falling rock.....	30
	25 Joe Stephanites.....	39	Springvalley.....	1	1	1	do.....	82
	23 Rube Reed.....	27	Cherry.....	1	1	1	Body injured, fell off railroad car.....	65
	27 Sam Carotte.....	33	Springvalley.....	1	3	4	Hand injured, pit car.....	33
	28 Joe Lorenzo.....	30	Cherry.....	1	3	4	Wrist injured, pushing car.....	102
	31 Abram Mini.....	45	Ladd.....	1	1	1	Body injured, pushing car.....	*
Aug.	1 Androna Caribona.....	19	Springvalley.....	1	1	1	Finger injured, falling rock.....	45
	4 Wm. Burba.....	36	Cherry.....	1	3	4	Toe injured, pit car.....	70
	7 Jos Smith.....	50	do.....	1	1	1	Body injured, throwing coal.....	32
	9 Blot Martiuites.....	35	Springvalley.....	1	1	1	Finger injured, falling coal.....	91
	14 A. Rothenberger.....	39	do.....	1	1	1	Head injured, falling rock.....	34
	15 Pia Borelli.....	45	do.....	1	1	1	Toe injured, falling rock.....	61
	18 Jas. Rougerio.....	35	Cherry.....	1	4	5	Eye injured, foreign substance.....	70
	19 B. Petroski.....	35	Springvalley.....	1	1	1	Body injured, falling coal.....	36
	21 Marull Catti.....	17	Cherry.....	1	1	1	Hand broken, falling rock.....	84
	21 Victor Gianetta.....	35	do.....	1	1	1	Hand injured, fell.....	55
	22 James Murphy.....	24	do.....	1	1	1	Finger injured, hand saw.....	31
	29 Barney Braner.....	29	do.....	1	1	1	Body injured, lifting coal.....	60
	31 Tony Robiza.....	21	Springvalley.....	1	1	1	Leg injured, pit ears.....	68
Sept.	1 John Ovington.....	17	Cherry.....	1	1	1	Finger injured, pit car.....	32
	6 Isadore Petkus.....	47	Springvalley.....	1	9	10	Foot injured, falling coal.....	32
	19 James Williams.....	35	Ladd.....	1	1	1	Shoulder broken, fell off engine.....	50
	19 Joe Baltrushaites.....	40	Springvalley.....	1	1	1	Hand injured, pit car.....	49
	20 A. Tabor.....	17	do.....	1	1	1	Leg injured, pit car.....	110
	23 John Sandres.....	36	Kewanee.....	1	2	4	Rib broken, falling coal.....	42
	21 Charles Pomatto.....	39	Springvalley.....	1	2	3	Leg injured, falling rock.....	40
	21 Paug Tamari.....	36	Cherry.....	1	2	3	Arm injured, throwing coal.....	32
	25 Mazarim Belletini.....	30	do.....	1	1	1	Ankle broken, falling rock.....	144
Oct.	3 Joe Slevinski.....	45	Springvalley.....	1	5	6	Foot injured, falling rock.....	56
	4 John Lansburg.....	26	Cherry.....	1	1	1	Hand broken, falling rock.....	64
	17 Karl Bilskas.....	30	do.....	1	2	3	Finger broken, falling rock.....	54
	24 John Ambrose.....	58	Springvalley.....	1	5	6	Leg injured, falling coal.....	70
Nov.	3 Bapt Marchiando.....	36	do.....	1	2	3	Leg injured, jumped off car.....	74
	4 Isadore Petkus.....	47	do.....	1	9	10	Back injured, falling rock.....	*
	4 John Dacol.....	45	Cherry.....	1	2	3	Ankle injured, falling rock.....	34
	4 Sam Allanno.....	33	do.....	1	1	1	Head injured, falling rock.....	47
	6 Charles Gallette.....	19	do.....	1	1	1	Ankle injured, pit car.....	51
	7 Alf Bonucie.....	55	do.....	1	1	1	Toe injured, falling coal.....	92
	7 Peter Stolsis.....	30	Springvalley.....	1	1	1	Foot injured, falling rock.....	33
	8 Joe Stanites.....	57	do.....	1	6	7	do.....	35
	10 Julius Wonski.....	48	do.....	1	1	1	Hand injured, falling rock.....	*
	24 John Di Carlo.....	30	do.....	1	1	1	Leg broken, falling rock.....	*
Dec.	2 Sam Parise.....	19	Ladd.....	1	1	1	Eye injured, foreign substance.....	47
	2 Charles Johnson.....	55	Sherrard.....	1	1	1	Leg broken, falling coal.....	52
	6 Charles McCook.....	39	Springvalley.....	1	3	3	Body injured, pit car.....	39
	14 John Altwater.....	41	do.....	1	2	3	Head injured, struck by coal.....	68
	20 Frank Blatnek.....	35	do.....	1	5	6	Finger injured, falling rock.....	70
	25 M. Grebas.....	35	do.....	1	1	1	Leg injured, falling rock.....	*
1917								
Jan.	2 J. Corgiat.....	42	do.....	1	3	4	Head injured, falling coal.....	57
	16 Geo. Petkerage.....	30	Cherry.....	1	1	1	Arm injured, falling rock.....	*
	19 Dom Chokette.....	41	do.....	1	5	6	Rib broken, fell.....	74
	20 Dom Palai.....	20	Springvalley.....	1	1	1	Leg injured, falling coal.....	*
	27 George Moroso.....	49	do.....	1	12	3	Body injured, falling coal.....	51
	31 Joe Weilgot.....	55	do.....	1	12	3	Shoulder injured, falling rock.....	61
Feb.	1 Charles Poplis.....	38	do.....	1	2	3	Foot injured, falling rock.....	45
	2 Peter Clary.....	66	Rapatee.....	1	1	1	Leg broken, falling coal.....	*
	3 Dukin Lord.....	44	Cherry.....	1	6	7	Leg broken, falling rock.....	*
	8 John Kowadis.....	27	Springvalley.....	1	1	1	Body injured, pit car.....	136
	12 Wm. Frey.....	56	Wanlock.....	1	3	3	Leg broken, falling coal.....	107
	15 M. Ferrarini.....	29	Cherry.....	1	2	3	Back injured, pushing car.....	40
	22 John Pellegrini.....	48	Springvalley.....	1	3	4	Back injured, falling rock.....	34
	24 John Jekub.....	50	Ladd.....	1	1	1	Ribs broken, falling rock.....	*
	28 Olente Hante.....	25	Cherry.....	1	3	4	Finger injured, piling props.....	51
	28 Severio Boggio.....	32	Springvalley.....	1	2	3	Toe injured, falling rock.....	47
Mar.	6 James Clinton.....	54	do.....	1	1	1	Body injured, falling rock.....	55
	7 Frank Berniek.....	33	Cherry.....	1	6	7	Rib broken, falling coal.....	63
	14 Anton Tomashaites.....	42	Springvalley.....	1	6	7	Toes injured, falling rock.....	33

NONFATAL CASUALTIES, SECOND DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Mar. 28	James Goodrick.....	43	Springvalley.....	1		12	13	Foot injured, motor.....	63
29	M. Kairis.....	68	do.....	1		2	3	Foot injured, falling coal.....	*
30	Harry Di Grande.....	27	do.....		1			Head injured, falling rock.....	*
Apr. 3	Victor Olson.....	31	Matherville.....		1			Ankle broken, pit car.....	48
13	Ignatz Rimkus.....	33	Springvalley.....	1		3	4	Body injured, falling rock.....	48
14	Stiney Komanski.....	24	do.....		1			Finger injured, falling rock.....	*
14	John Marconi.....	31	Cherry.....	1		2	3	Eye injured, foreign substance.....	39
14	John Johnson.....	59	do.....		1			Toe injured, falling coal.....	50
27	Pete Naulis.....	25	do.....		1			Toe injured, falling rock.....	56
May 3	Hugh Patterson.....	48	do.....	1		4	5	Fingers injured, falling rock.....	33
4	Premo Mussarelli.....	29	do.....	1			1	Eye injured, foreign substance.....	37
4	Joe Libiez.....	50	Springvalley.....	1		3	4	do.....	*
7	Louis Youcitis.....	50	Ladd.....	1			1	Foot broken, falling rock.....	*
7	Joe Slavitski.....	43	Springvalley.....	1		3	4	Shoulder injured, falling rock.....	56
7	Clement Barto.....	24	do.....		1			Foot broken, pit car.....	36
9	John Wilkaites.....	65	do.....	1			1	Collar bone broken, falling coal.....	*
10	Jake Porrasich.....	48	do.....	1			1	Back injured, car door.....	*
11	Anton Bonassi.....	31	Cherry.....		1			Ankle injured, falling coal.....	32
14	Tom Belski.....	25	Springvalley.....	1				Hand injured, falling timber.....	35
15	Geo. Skinkus.....	52	do.....	1		3	4	Head injured, falling rock.....	30
16	Frank Zarma.....	19	Ladd.....		1			Leg injured, pit car.....	*
17	Simon Bugis.....	25	Springvalley.....	1		2	3	Foot injured, falling rock.....	*
21	Octave Minier.....	57	Cherry.....	1		1	2	Toe injured, falling rock.....	*
24	Wm. Cox.....	53	Springvalley.....	1		6	7	Ribs broken, fell off car.....	31
June 23	John Handley.....	62	Matherville.....		1			Leg broken, falling coal.....	*
2	Andrew La Barba.....	33	Springvalley.....		1			Toe injured, falling rock.....	*
8	Carlo Bultramini.....	37	do.....	1		2	3	Leg injured, pit car.....	*
8	Anton Shimkus.....	28	do.....	1		2	3	Foot injured, falling timber.....	*
9	Joe Yanish.....	37	do.....	1		2	3	Leg injured, falling rock.....	*
12	Victor Cheresie.....	20	Dalzell.....		1			Foot injured, falling coal.....	*
15	Anton Pellegrini.....	23	Springvalley.....	1				Leg injured, not stated.....	*
21	Anoretto Capitano.....	37	Dalzell.....	1		2	3	Foot injured, falling rock.....	*
22	Henry Huys.....	31	Springvalley.....	1			1	Back injured, falling rock.....	*
23	Frank Faoro.....	35	do.....	1		1	2	Toe injured, falling coal.....	*
25	Primo Lanzi.....	37	do.....		1			Foot injured, falling coal.....	*
23	Tom Patterson.....	28	do.....		1			Body injured, pit car.....	*
29	Charles McCook.....	32	do.....	1		3	4	Hand injured, falling rock.....	*
	Total.....			66	41	182	247		

* Not returned to work, June 30, 1917.

Number injured..... 107 Time lost by men returned, days..... 4,020
 Number not returned to work..... 33 Average days lost..... 54.32

Number returned..... 74

RECAPITULATION OF NONFATAL ACCIDENTS, SECOND DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Cherry.....	34	Blacksmith.....	1	Falling coal.....	22	Alden Coal Co.....	2
Dalzell.....	2	Cager.....	1	Falling rock.....	44	Coal Valley Mining Co.....	4
Kewanee.....	1	Drivers.....	7	Falling timbers.....	2	Jesse Hillier.....	1
Ladd.....	6	Laborers.....	19	Fell.....	2	Illinois 3d Vein C. Co.....	6
Matherville.....	2	Miners.....	75	Fell off car.....	4	St. Paul Coal Co.....	34
Rapatee.....	1	Spragger.....	1	Foreign substance.....	6	Springvalley C. Co.....	59
Sherrard.....	1	Trappers.....	3	Lifting coal.....	3	Stricher & Stuhlots.....	1
Springvalley.....	59			Motor.....	1		
Wanlock.....	1			Pit car.....	14		
				Pushing car.....	3		
				Struck by objects.....	4		
				Not stated.....	2		
Total.....	107		107		107		107

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES,
CONJUGAL RELATIONS, AND TIME LOST, SECOND DISTRICT, JUNE
30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total	Average.	
Ankle broken.....	2		2			192	96.00	1.87
Ankle injured.....	3	1	2	2	3	117	39.00	2.80
Arm injured ¹	2	1	1	2	3	32	32.00	1.87
Back injured ²	5	5		14	19	74	37.00	4.67
Body injured ³	11	6	5	8	13	522	58.00	10.28
Collar bone broken ⁴	1	1			1			.93
Eye injured ¹	6	5	1	14	19	226	45.20	5.61
Finger broken.....	1	1		2	3	54	54.00	.93
Finger injured ¹	8	3	5	12	15	353	50.43	7.48
Foot broken ¹	2	1	1		1	36	36.00	1.87
Foot injured ⁴	14	12	2	46	57	376	47.00	13.09
Hand broken.....	2		2			148	74.00	1.87
Hand injured ⁵	6	4	2	6	10	172	43.00	5.61
Head injured..... ¹	6	3	3	8	11	236	47.20	5.61
Leg broken ¹	6	2	4	9	10	159	79.50	5.61
Leg injured ⁴	13	7	6	20	27	435	63.57	12.15
Rib broken ¹	5	4	1	19	24	210	52.50	4.67
Shoulder broken.....	1		1			50	50.00	.93
Shoulder injured.....	2	2		5	7	117	58.50	1.87
Toe injured ²	10	7	3	12	20	409	58.43	9.35
Wrist injured.....	1	1		3	4	102	102.00	.93
Total.....	107	66	41	182	247	4,020	54.32	100.00

¹ One not returned to work.

² Three not returned to work.

³ Two not returned to work.

⁴ Six not returned to work.

⁵ Four not returned to work.

BUREAU COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	St. Paul Coal Co. No. 2.....	Cherry.....	322,288	299,848	.....	.....	4,831	17,609
2	Springvalley Coal Co., No. 3.....	Springvalley.....	321,954	170,050	.....	144,416	.....	7,488
3	Springvalley Coal Co., No. 1.....	do.....	268,607	89,197	11,194	137,228	22,114	8,874
4	Springvalley Coal Co., No. 5.....	Dalzell.....	236,329	.....	.....	228,232	1,803	6,234
5	Illinois Third Vein C. Co., No. 1.....	Ladd.....	233,997	51,926	24,175	134,091	7,268	16,537
Total.....			1,383,175	611,021	35,369	643,967	36,076	56,742
LOCAL MINES.								
1	D. C. Brandt.....	Mineral.....	2,800	.....	.....	.....	2,800	.....
2	T. H. Wilkinson.....	do.....	2,458	.....	.....	.....	2,108	350
3	Nelson & Moran.....	Sheffield.....	1,895	.....	.....	.....	1,895	.....
4	Wm. J. Masters.....	do.....	200	.....	.....	.....	200	.....
5	A. M. Mapes.....	do.....	24	.....	.....	.....	24	.....
Total.....			7,377	.....	.....	.....	7,027	350
Total—10 mines.....			1,390,552	611,021	35,369	643,967	43,103	57,092

Mines in 1916, 7. New mines, 3. Mines in 1917, 10.

HENRY COUNTY,

LOCAL MINES.								
1	Herman, Carlson & Johnson.....	Kewanee.....	9,307	.....	.....	.....	8,557	750
2	Waterloo Coal Co.....	do.....	6,512	.....	.....	.....	6,512	.....
3	Grice, Jameson & Jackson.....	do.....	5,656	.....	.....	.....	5,656	.....
4	Hintz Bros.....	Geneseo.....	4,220	.....	.....	.....	4,220	.....
5	Stricker & Stuhlsatz.....	Kewanee.....	4,029	.....	.....	.....	3,813	216
6	Arthur Ratcliffe.....	do.....	3,634	.....	.....	.....	3,489	145
7	Peterson & Lamb.....	do.....	3,120	.....	.....	.....	2,720	400
8	Kewanee Co-operative Coal Co.....	do.....	2,989	.....	.....	.....	2,489	500
9	North Main Coal Co.....	do.....	2,077	.....	.....	.....	1,937	140
10	Atkinson Bros.....	Cambridge.....	2,036	.....	.....	.....	2,036	.....
11	Henry Coal Co.....	Kewanee.....	1,510	.....	.....	.....	1,510	.....
12	James Endres.....	do.....	831	.....	.....	.....	831	.....
Total—12 mines.....			45,951	.....	.....	.....	43,800	2,151

Mines reported in 1916, 13. New mines, 1. Abandoned mines, 2. Mines in 1917, 12.

KNOX COUNTY,

LOCAL MINES.								
1	Geo. & Chas. Horkstrom.....	Victoria.....	13,000	.....	.....	.....	12,000	1,000
2	T. H. Milan.....	Galesburg.....	6,400	.....	.....	.....	6,100	300
3	Rodell & Mitchell.....	Wataga.....	3,650	.....	.....	.....	3,500	150
4	Claude G. Bangstrom.....	do.....	2,900	.....	.....	.....	2,900	.....
5	W. H. Bowman & Co.....	Yates City.....	2,600	.....	.....	.....	2,600	.....
6	Charlie Folkenroth.....	Middlegrove.....	2,130	.....	.....	.....	2,100	30

KNOX COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
7	Ed. Horkstrom.....	Victoria.....	1,621	.....	.....	.....	1,621	.....
8	Jesse Hillier.....	Rapatee.....	1,082	.....	.....	.....	1,082	.....
9	Fennel & Wilkie.....	Middle Grove.....	1,071	.....	.....	.....	1,035	36
1	N. C. Norburg.....	Victoria.....	687	.....	.....	.....	687	.....
11	H. Taylor.....	Wataga.....	600	.....	.....	.....	600	.....
12	A. D. Morgan.....	Oneida.....	600	.....	.....	.....	600	.....
13	Franklin Homer Morse, Jr.....	Rapatee.....	539	.....	.....	.....	539	.....
14	F. W. White.....	Victoria.....	522	.....	.....	.....	522	.....
15	N. C. Anderson.....	Knoxville.....	392	.....	.....	.....	392	.....
16	James Matson.....	Victoria.....	325	.....	.....	.....	325	.....
17	Ed. Peterson.....	do.....	270	.....	.....	.....	270	.....
18	A. J. Nelson.....	Knoxville.....	199	.....	.....	.....	199	.....
19	James D. Gale.....	Victoria.....	150	.....	.....	.....	150	.....
20	J. E. Walsh.....	Williamsfield.....	142	.....	.....	.....	142	.....
21	G. A. Rice.....	Victoria.....	60	.....	.....	.....	60	.....
Total—21 mines.....			38,940	.....	.....	.....	37,424	1,516

Mines reported in 1916, 20.

New mines, 4.

Abandoned mines, 3.

Mines for 1917, 21.

MERCER COUNTY,

SHIPPING MINES.								
1	Alden Coal Co., No. 7.....	Matherville.....	101,903	51,934	.....	48,342	.....	1,627
2	Coal Valley Mining Co., No. 3....	do.....	98,209	19,701	.....	72,623	.....	5,885
3	Coal Valley Mining Co., No. 2....	Sherrard.....	37,180	9,589	458	21,159	1,792	4,182
Total.....			237,292	81,224	458	142,124	1,792	11,694
LOCAL MINES.								
1	Hydraulic Press Brick Co.....	Aledo.....	10,000	.....	.....	.....	9,820	180
2	W. P. Williams.....	do.....	6,034	.....	.....	.....	6,034	.....
3	McCrae & Lee.....	Matherville.....	3,700	.....	.....	.....	3,605	95
4	Docherty Bros.....	Preemption.....	2,600	.....	.....	.....	2,400	200
5	B. B. Peterson.....	Cable.....	1,345	.....	.....	.....	1,345	.....
6	Wm. Rodansky.....	Viola.....	1,263	.....	.....	.....	1,260	3
7	James Blaine.....	do.....	1,240	.....	.....	.....	1,240	.....
8	Oscar Thomas.....	Matherville.....	700	.....	.....	.....	700	.....
9	John Taylor.....	do.....	203	.....	.....	.....	195	8
10	J. M. Brown.....	Viola.....	75	.....	.....	.....	60	15
Total.....			27,160	.....	.....	.....	26,659	501
Total—13 mines.....			264,452	81,224	458	142,124	28,451	12,195

Mines in 1916, 12.

New mines, 3.

Abandoned mines, 2.

Mines in 1917, 13.

ROCK ISLAND COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	Pryce Coal Co.	Coal Valley...	20,000				19,000	1,000
2	David Cooke	Hampton	17,000				17,000	
3	Barak Bros. & Kuhlman	Coal Valley...	7,109				5,764	1,345
4	Frederick & Gramenz	do	3,768				3,768	
5	Stoehr & Schadt	Carbon Cliff	2,678				2,368	310
6	Sommerson & Sievers	Coal Valley...	2,541				2,191	350
7	J. L. Donahoo	do	1,955				1,950	5
8	Moline Coal Mining Co.	Moline	1,491				1,451	40
9	Stone Bros.	Carbon Cliff	650				650	
10	August Von Ach	Hampton	535				535	
Total—10 mines			57,727				54,677	3,050

Mines reported in 1916, 12.

New mines, 1.

Abandoned mines, 3.

Mines in 1917, 10.

STARK COUNTY,

SHIPPING MINE.								
1	Higbee Coal Co., Big Hit	Wyoming	7,552	3,327			3,475	750
LOCAL MINES.								
1	Jesse Savill	Wyoming	4,008				4,008	
2	James Scott	do	2,120				2,080	40
3	T. T. McDaniel	do	1,970				1,750	220
4	Geo. D. Boardman	Tonlon	1,600				1,600	
5	Alfred E. Catton	La Fayette	400				383	14
6	W. J. Dunean	Neposet	352				352	
7	Mike Beeman	Wyoming	120				120	
8	Robert Bros.	Bradford	75				75	
9	John Thornercroft	Wyoming	60				40	20
Total			10,705				10,411	294
Total—10 mines			18,257	3,327			13,885	1,044

Mines in 1916, 10.

New mines, 3.

Abandoned mines, 3.

Mines in 1917, 10.

WARREN COUNTY,

LOCAL MINES.								
1	H. J. Rohr	Gerlaw	4,205				4,205	
2	Gilmore & Honston	do	2,674				2,674	
3	Caldwell & Son	Avon	492				480	12
4	J. G. Lee	Youngstown	300				300	
5	Willis Clayton	Avon	270				270	
Total—5 mines			7,941				7,929	12

Mines in 1916, 6.

Abandoned mines, 1.

Mines in 1917, 5.

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Keels of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Bureau.....	5	1,383,175	611,021	35,369	643,967	36,076	56,742	.....	675
2	Mercer.....	3	237,292	81,224	458	142,124	1,792	11,694	15,276	3,130
3	Stark.....	1	7,552	3,327	.....	.....	3,475	750	302	.....
	Total.....	9	1,628,019	695,572	35,827	786,091	41,343	69,186	15,578	3,805

LOCAL MINES, RECAPITULATION BY

1	Bureau.....	5	7,377	.....	.....	.....	7,027	350	.....	.....
2	Henry.....	12	45,951	.....	.....	.....	43,800	2,151	245	.....
3	Knox.....	21	38,940	.....	.....	.....	37,424	1,516	780	.....
4	Mercer.....	10	27,160	.....	.....	.....	26,659	501	2,024	.....
5	Rock Island.....	10	57,727	.....	.....	.....	54,677	3,050	2,475	.....
6	Stark.....	9	10,705	.....	.....	.....	10,411	294	1,300	.....
7	Warren.....	5	7,941	.....	.....	.....	7,929	12	830	.....
	Total.....	72	195,801	.....	.....	.....	187,927	7,874	7,744	.....
	The district....	81	1,823,820	695,572	35,827	786,091	229,270	77,060	23,322	3,805

ALL MINES, RECAPITULATION BY

1	Bureau.....	10	1,390,552	611,021	35,369	643,967	43,103	57,092	.....	675
2	Henry.....	12	45,951	.....	.....	.....	43,800	2,151	245	.....
3	Knox.....	21	38,940	.....	.....	.....	37,424	1,516	780	.....
4	Mercer.....	13	264,452	81,224	458	142,124	28,451	12,195	17,300	3,130
5	Rock Island.....	10	57,727	.....	.....	.....	54,677	3,050	2,475	.....
6	Stark.....	10	18,257	3,327	.....	.....	13,886	1,044	1,692	.....
7	Warren.....	5	7,941	.....	.....	.....	7,929	12	830	.....
	Total.....	81	1,823,820	695,572	35,827	786,091	229,270	77,060	23,322	3,805

Whole number of mines reported for 1916, 80.

Number of new and reopened mines during the year, 15.

Number of mines abandoned during the year, 14.

Whole number of mines reported for 1917, 81.

COUNTIES, SECOND DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
259	2,514	1,336,788	46,387	11	3	99	7	372	4	825	110,635	1
252	315	237,292	.....	.....	.....	6	2	43	.....	.....	.....	2
161	19	7,552	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
245	2,848	1,581,632	46,387	11	3	105	9	415	4	825	110,635	

COUNTIES, SECOND DISTRICT, 1917.

186	23	7,377	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
249	93	45,951	.....	.....	.....	1	.....	.....	.....	.....	.....	2
158	82	38,940	.....	.....	.....	1	.....	.....	.....	.....	.....	3
148	66	27,160	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
168	99	37,727	20,000	1	.....	.....	.....	.....	.....	.....	.....	5
157	47	10,705	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
200	23	7,941	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
182	433	175,801	20,000	1	.....	2	.....	.....	.....	.....	.....
189	3,281	1,757,433	66,387	12	3	107	9	415	.....	.....	.....

COUNTIES, SECOND DISTRICT, 1917.

222	2,537	1,344,165	46,387	11	3	99	7	372	.....	.....	.....	1
249	93	45,951	.....	.....	.....	1	.....	43	.....	.....	.....	2
168	82	38,940	.....	.....	.....	1	.....	.....	.....	.....	.....	3
172	381	264,452	.....	.....	.....	6	2	.....	.....	.....	.....	4
169	99	37,727	20,000	1	.....	.....	.....	.....	.....	.....	.....	5
158	66	18,257	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
220	23	7,941	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
190	3,281	1,757,433	66,387	12	3	107	9	415	.....	.....	.....

THIRD INSPECTION DISTRICT.

COUNTIES—MARSHALL, MENARD, PEORIA, PURNAM, TAZEWELL AND WOODFORD.
JAMES TAYLOR, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Third District, comprising the coal producing counties of Marshall, Menard, Peoria, Putnam, Tazewell and Woodford.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	6
Number of shipping mines.....	24
Number of local mines.....	73
Number of new or reopened mines.....	22
Number of closed or abandoned mines.....	18
Number of men underground.....	4,425
Number of boys underground.....	92
Number of men outside the mine.....	440
Number of boys outside the mine.....	2
Total number of employees.....	4,959
Total tons of coal produced.....	3,593,441
Days of active operation, all mines.....	178
Kegs of powder used for blasting coal.....	101,108
Number of fatal accidents.....	6
Number of nonfatal accidents.....	100
Number of employees to each fatal accident.....	827
Number of employees to each nonfatal accident.....	50
Tons of coal produced to each fatal accident.....	598,907
Tons of coal produced to each nonfatal accident.....	35,934
Ratio of fatal accidents per 1,000 employees.....	1.21

The following table gives, by counties, the output, the days worked, and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Marshall.....	472,690	120	989	437,960	112	1,048	34,730	8	.....	.....	.....	59
Menard.....	197,283	215	242	163,190	170	227	34,093	45	15	.....	.....	.....
Peoria.....	1,553,455	174	1,700	1,319,551	183	1,631	233,904	.....	69	.....	9	.....
Putnam.....	712,535	262	1,177	648,802	206	1,293	63,733	56	.....	.....	.....	116
Tazewell.....	455,880	229	519	310,082	179	513	145,798	50	6	.....	.....	.....
Woodford.....	201,598	275	332	185,083	213	463	16,515	62	.....	.....	.....	131
Total and average..	3,593,441	178	4,959	3,064,668	172	5,175	528,773	.....	90	.....	.....	306
Net.....	.....	.....	.....	.....	.....	.....	528,773	6	.....	.....	.....	216

NEW MINES.

The new or reopened mines are as follows:

Marshall County.—Acme Coal Co. No. 3, Wm. Crew, Holmes, Tanner and Hoagly, Ruben Colwell, Thomas Lopeman, Roy Crew, Sparland.

Peoria County.—Wm. Cook, Jr., James Schmidt, Geo. Snider & Son, Thomas Mohn, Hamman & Vicary, A. S. Pierce, James Stear, Peoria; Alvin E. Reed, Murphy and Wagner, Mapleton; Wyman & Savage, Brimfield; John Doubert, James Cox, Hanna City; Barney Daley, Oak Hill; Harry Barr, Edwards.

Putnam County.—Urbandale Coal Co., Fred Seffer, East Peoria.

ABANDONED MINES.

The following are abandoned or temporarily closed:

Nelson Hogley, Louis Neighsonger, Sparland, Marshall County.

Peter Becker, Tallula, Menard County.

Colvin Bros., Louis A. Schmidt, Seffer and Barnewelt, Thomas Jones & Son, Fisher & Blank, Peoria; C. E. Hays, Brimfield; Poutz & Spenny; Trivola; Henry Penn, M. H. Moody, Hanna City; C. E. Pratt & Son, Edwards Coal Co., Edwards, Peoria County.

Pekin Coal Co., Pekin; Eastern Coal Co., Harry Turner, Holby & Blackburn, East Peoria, Tazewell County.

CHANGE OF NAME.

Geo. H. Chrisman & Son to F. G. Hadel & Son; Rube Colwell to Abe Colwell; Davis & Colwell to Miller & Olson; James Andrews to G. M. Aman, Jr.; Brewster & Evans Coal Co. to M. E. Case Coal Co.; Fair Oaks Coal Co. to Geo. Wantling; Clark & Martin to Clark & Murdock; Thos. Stears to Lemasters Bros.

FATAL ACCIDENTS.

August 9, 1916, John Berri, miner, age 20 years, single, was killed in mine No. 1, B. F. Berry Coal Company, Standard, Putnam County, by a fall of coal.

August 25, 1916, John Cantrall, miner, age 30 years, single, was killed by falling coal in the Athens Coal Company's mine, Athens, Menard County. The body of deceased was found at the mouth of his room. A piece of slate weighing approximately 500 pounds had fallen off the rib, crushing him about the head and body.

November 1, 1916, Charles Caravana, laborer, age 34 years, married, was killed by falling rock in St. Paul Coal Company's mine, Granville, Putnam County. He leaves a widow and three children.

December 9, 1916, Andrew Litnick, machine helper, age 44 years, married, employed in the Tazewell Coal Company's mine, Pekin, Tazewell County, died from the effects of injuries received the previous day by being caught in a mining machine.

March 27, 1917, G. E. Cokenour, trip rider, age 30 years, married, was killed by a fall of rock in Brewster & Evans Coal Company's mine, Peoria. Deceased was riding at the rear of a 25-car trip when the fall occurred. At the place where the accident happened the timbers supporting the roof were rotten and had been marked unsafe sometime previous by the mine examiner. He leaves a widow.

March 31, 1917, Chester Benn, miner, age 28 years, single, was killed by falling rock in Brewster & Evans Coal Company's mine, Peoria. Several days prior to the fall which killed this man the 12-inch pillowing slate had fallen and been cleaned up, so that the props were too short for this place.

Respectfully submitted,

JAMES TAYLOR,
State Inspector of Mines, Peoria, Illinois.

FATAL CASUALTIES, THIRD DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married. Single.	Widow.	Children.	Dependents.	Cause of death.
1916 Aug. 9	John Berri.....	20	Miner.....	Standard.....	1				Falling coal.
25	John Cantrall.....	30	do.....	Athens.....	1				Falling slate.
Nov. 1	Charles Caravana.....	34	Laborer.....	Granville.....	1	1	3	4	Falling rock.
Dec. 9	Andrew Litnick.....	44	Machine helper.	Pekin.....	1	1	3	4	Machine.
1917 Mar. 29	G. E. Cokenour.....	30	Trip rider.....	Peoria.....	1	1		1	Falling rock.
31	Chester Benn.....	28	Miner.....	do.....	1				Falling rock.
Total.....					3	3	6	9	

RECAPITULATION OF FATAL ACCIDENTS, THIRD DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Athens.....	1	Laborer.....	1	Falling coal.....	1	Athens Coal Co.....	1
Granville.....	1	Machine helper.....	1	Falling rock.....	3	B. F. Berry Coal Co.....	1
Pekin.....	1	Miners.....	3	Falling slate.....	1	Brewster & Evans Co..	2
Peoria.....	2	Trip rider.....	1	Machine.....	1	St. Paul Coal Co.....	1
Standard.....	1					Tazewell Coal Co.....	1
Total.....	6		6		6		6

NONFATAL CASUALTIES, THIRD DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married. Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost— days.
1916 July 6	Domnick Peoletto.....	40	Roanoke.....	1			Leg injured, not stated.....	69
10	Marcello Marcelli.....	54	Toluca.....	1	2	3	Body injured, lifting car.....	54
18	Dan Humphrey.....	25	Wenona.....	1			Hand broken, falling coal.....	36
20	Delfi Beneletti.....	54	Standard.....	1	2	3	Arm broken, falling coal.....	61
22	Jim Salvetti.....	30	Toluca.....	1			Toe injured, falling rock.....	34
24	Fred Sattlemiar.....	40	Roanoke.....	1			Eye injured, flying coal.....	36
25	Wm. J. Bolander.....	47	Pekin.....	1			Leg broken, pit car.....	50
Aug. 5	Louis di Giusto.....	25	Toluca.....	1			Back injured, lifting car.....	43
15	Savo Yanchick.....	37	do.....	1	3	4	Shoulder injured, pushing car.....	48
21	Ed. Bartolomeo.....	21	do.....	1			Ankle injured, falling rock.....	34
Sept. 5	Ernesto Giuliani.....	39	do.....	1	3	4	Back injured, falling rock.....	34
5	Frank Moran.....	40	Granville.....	1	2	1	Foot injured, falling rock.....	41
16	Ed. Edwards.....	25	Standard.....	1			Body injured, not stated.....	45
23	George Wilkinson.....	47	Peoria.....	1	2	2	Back injured, falling slate.....	46
30	A. Tondi.....	28	Granville.....	1	2	3	Eye injured, flying sulphur.....	54
Oct. 2	Jno. Segari.....	72	Toluca.....	1			Finger broken, falling rock.....	114
2	Anton Bosio.....	44	do.....	1	2	3	Shoulder injured, falling coal.....	32
3	Louis Pardi.....	47	Granville.....	1	1	1	Foot injured, stepped on pipe.....	71
16	Frank Oranko.....	49	Standard.....	1			Leg injured, falling coal.....	44
20	Cesare Romani.....	30	Granville.....	1			Leg injured, falling rock.....	51
20	Sam De Carlo.....	23	Wenona.....	1			Leg injured, falling coal.....	52
21	Givlio di Rubis.....	34	Toluca.....	1	1	2	Back injured, lifting coal.....	31
25	Wm. Perper.....	52	Peoria.....	1	4	2	Head injured, falling slate.....	67
30	N. Tleome.....	55	do.....	1	5	6	Eye injured, flying coal.....	31
31	Gus Constantino.....	22	Toluca.....	1			Body injured, lifting weight.....	34

NONFATAL CASUALTIES, THIRD DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
Nov.	1 Basiglio Ferrairi.	22	Standard.		1			Finger broken, falling rock.	40
	1 Sam Lettsome.	25	do.	1		2	3	Leg broken, pit car.	120
	3 Angelo Pasta.	42	Toluca.	1		4	5	Finger broken, cage.	121
	7 Anton Manni.	36	Granville.	1			1	Body injured, falling coal.	55
	7 Mike Valinski.	28	do.	1			1	Leg injured, pit car.	36
	8 Barney Diczenco.	30	do.		1			Leg injured, falling rock.	33
	9 A. Gualandi.	21	do.	1				Hand injured, falling coal.	33
	17 John Migliani.	41	do.	1			1	Finger injured, falling rock.	43
	18 Jim Coffina.	33	Toluca.	1		1	2	Back injured, pushing car.	35
	22 Barney Mansini.	40	Pekin.	1		2	3	Head injured, falling props.	180
	23 Frank Muccianti.	22	Toluca.	1				Back injured, lifting rock.	35
	27 James Clancy.	17	Pottstown.	1				Finger injured, pit car.	60
Dec.	1 Joe Koman.	62	Standard.	1		5	1	Rib broken, falling coal.	*
	1 Dom Bulla.	30	Roanoke.	1				Toe injured, falling rock.	37
	5 Edward Hurley.	43	Standard.	1		5	2	Collar bone broken, squeezed by mule.	36
	7 Angelo Dario.	21	Toluca.		1			Finger injured, falling rock.	47
	8 Pete McEwan.	33	Granville.	1		3	4	Ribs broken, not stated.	67
	8 Battista Tolotti.	50	Toluca.	1		2	3	Finger injured, falling coal.	38
	14 Mike Baran.	40	do.	1		2	3	Leg injured, falling rock.	45
	16 Jas. Sluter.	28	Peoria.	1		1	2	Back injured, falling coal.	84
	16 Pete Gonczyos.	42	Standard.		1			Body injured, falling rock.	48
	18 Dominic Cicel.	41	Toluca.	1		1	2	Foot injured, caught between ties.	61
	20 Anthony, Bosso.	17	Athens.	1				Leg broken, falling slate.	60
	22 John Pecayties.	39	Toluca.	1				Hand injured, falling rock.	92
1917									
Jan.	9 John Lidell.	35	Granville.	1		2	3	Ribs broken, falling rock.	34
	13 Mariano Basili.	30	Toluca.	1		4	5	Wrist injured, falling rock.	33
	15 Steve Boldini.	47	do.	1		2	3	Body injured, falling timber.	36
	15 Angelo Dezardo.	42	Standard.		1			Body injured, loading coal.	52
	17 Phillip Vardarene.	31	Toluca.	1		1	2	Back injured, lifting rock.	31
	22 Ino. Catani.	47	Standard.	1		5	6	Body injured, lifting coal.	54
	23 Andrew Melchis.	43	Athens.	1				Body burned, powder explosion.	150
	24 Phillip Debona.	49	Toluca.	1		3	4	Body injured, lifting coal.	95
	31 Anton Fassino.	38	Standard.	1		5	6	do.	*
Feb.	4 George Vovak.	66	Wenona.		1			Body injured, fell in sump.	*
	6 Louis Colvin.	56	Peoria.	1		1	2	Back injured, falling coal.	84
	7 Dom Donati.	50	Granville.	1				Arm injured, falling rock.	39
	8 Lazzalo Cavatorto.	27	Standard.	1		1	2	Leg broken, falling rock.	72
	11 Max Wagner.	25	Peoria.	1				Leg broken, pit car.	69
	17 Arthur Fancon.		Roanoke.	1		2	3	Arm broken, not stated.	33
	19 Battista Salvetti.	25	Toluca.	1			1	Back injured, lifting car.	32
	19 Carlo Sudatore.	49	do.	1		1	2	Body injured, throwing coal.	57
	21 John B. Mignine.	28	Granville.	1		4	5	Back injured, falling rock.	54
	24 Wm. Adams.	50	Peoria.	1		7	8	Foot injured, falling coal.	30
	26 J. H. Gallagher.	49	Toluca.	1		5	3	Leg injured, falling coal.	57
	27 Battista Milani.	42	do.	1		4	5	Body injured, fell off car.	48
	28 Paul Broenka.	47	Granville.	1			1	Back injured, falling rock.	43
Mar.	8 Louis Bedonni.	28	do.		1			Leg injured, falling coal.	45
	12 Anton Lodi.	38	Pekin.	1		1	2	Leg broken, falling coal.	105
	14 Gian Lewis.	39	Toluca.	1				Back injured, pushing car.	140
	14 A. Belisi.	23	Granville.	1				Finger broken, falling coal.	51
	15 G. Custini.	38	do.	1			1	Finger cut off, pit car.	39
	23 Martin Novak.	35	do.	1			1	Back injured, falling rock.	50
	27 Mike Santi.	52	Toluca.	1		2	3	Leg injured, fell.	69
	28 L. Fillipini.	30	Granville.	1			1	Finger broken, not stated.	45
Apr.	12 Vincenzo Frescaroli.	41	Standard.	1		4	5	Foot injured, falling rock.	44
	17 Everett Van Pelt.	19	Peoria.	1		1		Leg broken, pit car.	60
	19 John Riva.	33	Standard.	1		4	5	Body injured, lifting coal.	57
	20 Jacob Novah.	40	Granville.	1			1	do.	76
	21 Mario Salina.	48	do.	1			1	Toe injured, falling rock.	36
	21 John Cairus.	36	Standard.	1		4	5	Body injured, lifting coal.	58
	28 Anton Salamone.	46	Toluca.	1		8	5	Back injured, falling rock.	77
May	2 Lester Randle.	19	Pottstown.	1				Toe injured, not stated.	60
	7 Paolo Colla.	45	Toluca.	1		7	5	Leg injured, pushing car.	68
	10 Steve Rodelich.	55	Granville.	1				Hand injured, falling rock.	44
	11 Alberto Grossi.	28	do.	1				Leg injured, falling coal.	30
	11 Anton Bosio.	45	Toluca.	1		10	6	Foot injured, falling rock.	39
	15 Joe Orson.	56	Wenona.	1				do.	33

NONFATAL CASUALTIES, THIRD DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married. Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost— days.
1917								
May 16	Anselmo Bernardi.....	20	Toluca.....	1	.....	.....	Body injured, lifting rock.....	49
19	John Marvonitz.....	48	Wenona.....	1	3	4	Ankle injured, falling rock.....	38
21	John Zenoni.....	35	Toluca.....	1	2	3	Leg injured, falling rock.....	33
22	John Lafuch.....	28	Granville.....	1	2	3	Back injured, loading rock.....	37
28	Jiau Riva.....	44	Standard.....	1	3	4	Body injured, lifting coal.....	48
30	Anton del Grossi.....	49	Toluca.....	1	7	3	Back injured, falling rock.....	34
June 9	Elmiro Bernardi.....	41	do.....	1	6	4	Leg injured, falling coal.....	42
23	Veghi Celso.....	38	Standard.....	1	3	4	Shoulder injured, falling coal.....	*
	Total.....			64	36	170	195	

* Not returned to work.

Number injured.....	100	Time lost by men returned, days.....	52.28
Number not returned to work.....	4	Average days lost.....	54.46
Number returned.....	96		

RECAPITULATION OF NONFATAL ACCIDENTS, THIRD DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Athens.....	2	Cagers.....	2	Cage.....	1	Athens-Dawson C. Co....	2
Granville.....	24	Drivers.....	10	Caught between ob- jects.....	3	B. F. Berry Coal Co....	17
Pekin.....	3	Laborers.....	10	Falling coal.....	19	M. E. Case Coal Co....	2
Peoria.....	8	Miners.....	75	Falling rock.....	30	Crescent Coal Co.....	6
Pottstown.....	2	Motorman.....	1	Falling slate.....	2	Roanoke Coal Co.....	4
Roanoke.....	4	Timberman.....	1	Falling timber.....	3	St. Paul Coal Co.....	24
Standard.....	17	Trackman.....	1	Fell.....	2	Tazewell Coal Co.....	2
Toluca.....	35			Flying coal.....	3	Toluca Coal Co.....	35
Wenona.....	5			Flying sulphur.....	2	Wenona Coal Co.....	5
				Lifting objects.....	18	Wolschlag Co-operative Coal Co.....	3
				Pit cars.....	7		
				Powder explosion..	1		
				Pushing car.....	4		
				Not stated.....	6		
Total.....	100		100		100		100

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, THIRD DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle injured.....	2	1	1	3	4	72	36.00	2.00
Arm broken.....	2	2		4	6	94	47.00	2.00
Arm injured.....	1		1			39	39.00	1.00
Back injured.....	16	13	3	23	30	813	50.81	16.00
Body burned.....	1		1			150	150.00	1.00
Body injured ¹	19	13	6	41	49	943	55.47	19.00
Collar bone broken.....	1	1		5	2	33	33.00	1.00
Eye injured.....	3	3		7	10	121	40.33	3.00
Finger broken.....	5	2	3	4	6	371	74.20	5.00
Finger cut off.....	1	1			1	39	39.00	1.00
Finger injured.....	4	2	2	2	4	188	47.00	4.00
Foot injured.....	7	6	1	25	23	319	45.57	7.00
Hand broken.....	1		1			36	36.00	1.00
Hand injured.....	3		3			169	56.33	3.00
Head injured.....	2	2		6	5	247	123.50	2.00
Leg broken.....	7	3	4	4	7	536	76.57	7.00
Leg injured.....	14	7	7	24	23	674	48.14	14.00
Rib broken ²	3	3		10	8	101	50.50	3.00
Shoulder injured ²	3	3		8	11	80	40.00	3.00
Toe injured.....	4	1	3		1	167	41.75	4.00
Wrist injured.....	1	1		4	5	33	33.00	1.00
Total.....	100	64	36	170	195	5,228	54.46	100.00

¹ Two not returned to work.² One not returned to work.

MARSHALL COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Toluca Coal Co., No. 1.....	Toluca.....	281,638	17,999	74,189	168,973	8,301	12,176
2	Wenona Coal Co., No. 1.....	Wenona.....	170,925	147,457	.....	.....	11,190	12,278
3	Acme Coal Co., No. 3.....	Sparland.....	13,621	10,400	.....	3,100	121	.....
Total.....			466,184	175,856	74,189	172,073	19,612	24,454
LOCAL MINES.								
1	F. G. Hadel & Sons.....	Sparland.....	1,790	.....	.....	.....	1,790	.....
2	John H. Pearson.....	Henry.....	1,565	.....	.....	.....	1,565	.....
3	R. H. Ingram.....	Sparland.....	1,500	.....	.....	.....	1,500	.....
4	Wm. Crew.....	do.....	338	.....	.....	.....	318	20
5	Geo. W. Davis.....	do.....	335	.....	.....	.....	335	.....
6	Holmes, Tanner & Hogley.....	do.....	280	.....	.....	.....	280	.....
7	Miller & Olson.....	do.....	210	.....	.....	.....	200	10
8	Ruben Colwell.....	do.....	208	.....	.....	.....	208	.....
9	James Fogarty.....	do.....	100	.....	.....	.....	100	.....
10	Thomas Lopeman.....	do.....	90	.....	.....	.....	90	.....
11	Roy Crew.....	do.....	50	.....	.....	.....	50	.....
12	Abe Colwell.....	do.....	40	.....	.....	.....	40	.....
Total.....			6,506	.....	.....	.....	6,476	30
Total—15 mines.....			472,690	175,856	74,189	172,073	26,088	24,484

Mines in 1916, 11. New mines, 6. Abandoned mines, 2. Mines in 1917, 15.

MENARD COUNTY,

SHIPPING MINES.								
1	Athen-Dawson Coal Co., No. 1	Athens.....	155,878	99,547	.....	46,950	6,270	3,111
LOCAL MINES.								
1	South Mountain Coal Co.....	Petersburg...	8,663	.....	.....	.....	7,688	975
2	Johnson Valley Coal Co.....	Fancy Prairie	6,720	.....	.....	.....	6,640	80
3	John W. Mallergreen, Jr.....	Petersburg...	6,332	.....	.....	.....	4,529	1,803
4	John Mallergreen, Sr.....	do.....	6,000	.....	.....	.....	5,740	260
5	Galloday Bros.....	Tallula.....	5,650	.....	.....	.....	5,650	.....
6	East View Coal Co.....	Greenview.....	5,120	.....	.....	.....	5,120	.....
7	Brand & Walker.....	Petersburg...	2,000	.....	.....	.....	1,900	100
8	John P. Grosball.....	do.....	920	.....	.....	.....	920	.....
	Total.....		41,405	.....	.....	.....	38,187	3,218
	Total—9 mines.....		197,283	99,547	.....	46,950	44,457	6,329

Mines reported in 1916, 10. Abandoned mines, 1. Mines in 1917, 9.

THIRD DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
.....	1,467	1	5	301	628	281,021	617	1	.....	35	5	39	.....	.....	1
988	2	6	292	292	170,925	.....	.....	.....	5	.....	24	.....	.....	2
.....	130	38	13,621	.....	.....	.....	.....	.....	3	.....	.....	3
988	1,467	3	11	241	958	465,567	617	1	.....	40	5	66	.....	.....	.....
100	2	160	4	1,790	.....	.....	.....	.....	.....	.....	.....	.....	1
80	1	108	3	1,565	.....	.....	.....	.....	.....	.....	.....	.....	2
50	3	200	6	1,500	.....	.....	.....	.....	.....	.....	.....	.....	3
20	1	140	2	338	.....	.....	.....	.....	.....	.....	.....	.....	4
15	3	90	3	335	.....	.....	.....	.....	.....	.....	.....	.....	5
10	1	2	100	2	280	.....	.....	.....	.....	.....	.....	.....	.....	6
15	1	70	2	210	.....	.....	.....	.....	.....	.....	.....	.....	7
18	2	100	2	208	.....	.....	.....	.....	.....	.....	.....	.....	8
12	40	1	100	.....	.....	.....	.....	.....	.....	.....	.....	9
8	2	40	2	90	.....	.....	.....	.....	.....	.....	.....	.....	10
12	1	12	2	50	.....	.....	.....	.....	.....	.....	.....	.....	11
3	2	21	2	40	.....	.....	.....	.....	.....	.....	.....	.....	12
323	1	20	90	31	6,506	.....	.....	.....	.....	.....	.....	.....	.....	.....
1, 11	1,467	4	31	120	989	472,073	617	1	.....	40	5	66	.....	.....	.....

THIRD DISTRICT, 1917.

7,735	25	2	3	247	157	155,878	.....	.....	1	2	.....	17	.....	.....	.....	1
468	.....	1	1	210	15	8,663	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
110	.....	.....	1	230	15	6,720	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
397	.....	1	1	250	11	6,332	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
360	.....	1	.....	300	17	6,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
260	.....	.....	1	180	8	5,650	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
200	.....	.....	.....	240	9	5,120	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
80	.....	.....	1	180	6	2,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
.....	.....	.....	1	100	4	920	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
1,875	.....	3	6	211	85	41,405	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9,610	25	5	9	215	242	197,283	.....	.....	1	2	.....	17	.....	.....	.....	.....

PEORIA COUNTY,

Number.	Name of operator.	Pos.office address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Wolschlag Co-oper. C. Co.	Peoria.	273,315	273,315				
2	Clark C. & C. Co., No. 2.	do.	232,594	160,094		65,300		7,200
3	M. E. Case Coal Co., B. & E.	do.	221,254	221,254				
4	Crescent Coal Co., No. 1.	do.	158,340	126,803		31,537		
5	Logan Coal Co.	Hanna City.	118,466	62,466		53,600		2,400
6	Newsom Bros.	Glasford.	110,587	92,518		14,560	1,585	1,924
7	Warsaw Coal Co.	Edwards.	94,256	57,344		35,133		1,779
8	Collier Co-op. C. Co., No. 1.	Bartonville.	61,314	60,379				935
9	Mapleton Coal Co.	Mapleton.	28,454	20,000		8,000	200	254
10	German Coal Co.	do.	27,619	27,169			450	
11	Lancaster Ldg. C. & Trans. Co. No. 1.	Kingston M.	26,122	25,522			600	
Total.			1,352,321	1,126,864		208,130	2,835	14,492
LOCAL MINES.								
1	R. Taylor & Sons.	Princeville.	37,862				37,100	762
2	Winters Coal Co.	Bartonville.	23,654				23,654	
3	Treasure Coal Co.	do.	19,549				18,819	730
4	Frank P. Schmidt & Son.	Peoria.	13,080				13,006	74
5	Ernest Colwell.	Princeville.	9,972				8,820	1,152
6	Martin Coal Co.	Peoria.	9,800				9,500	300
7	Mohn Coal Co.	do.	9,154				8,654	500
8	Hibbard & Snedden Coal Co.	do.	9,020				8,820	200
9	E. Potter & Son.	Mapleton.	8,521				8,521	
10	Thomas Short.	Chillicothe.	7,328				7,328	
11	Limestone Coal Co.	Peoria.	7,240				100	7,140
12	Wm. Cook, Jr.	do.	6,801				6,525	276
13	Pleasant Heights Coal Co.	do.	6,260				6,260	
14	Collears Bros.	do.	4,120				4,100	20
15	McKinley Coal Co.	Elmwood.	3,500				2,800	700
16	James Schmidt.	Peoria.	2,985				2,807	178
17	Geo. Snider & Son.	do.	1,800				1,800	
18	Umholtz & Johnson.	Kingston M.	1,800				1,800	
19	Harry Bramer.	Mapleton.	1,724				1,724	
20	George M. Aman, Jr.	Edwards.	1,494				1,494	
21	Thomas Mohn.	Peoria.	1,477				1,477	
22	George Wantling.	do.	1,400				1,400	
23	Clarkson & Henning.	Edwards.	1,250				1,250	
24	Hammann & Vicory.	Peoria.	1,100				1,100	
25	R. C. Crew.	do.	948				948	
26	J. W. Miller.	Laura.	916				916	
27	Alvia E. Reed.	Mapleton.	880				880	
28	Harry J. Green.	Hanna City.	850				850	
29	Fred Snider.	Oak Hill.	750				750	
30	Wm. Pool.	Edwards.	729				729	
31	Lorenzo Clarkson.	Monica.	641				641	
32	Birt Tucker.	Brimfield.	520				520	
33	R. J. Scott.	Oak Hill.	513				513	
34	Ed. Slone.	do.	500				500	
35	Fusser Bros.	Brimfield.	425				425	
36	Albert Warner.	Hanna City.	400				400	
37	Frank Harlin.	Chillicothe.	350				350	
38	Wyman & Savage.	Brimfield.	350				350	
39	Fred Martin.	Peoria.	250				250	
40	John Doubert.	Hanna City.	225				225	
41	A. S. Pierce.	Peoria.	225				225	
42	Wm. Cramer.	Edwards.	197				197	
43	Jayne, Murphy & Wagner.	Mapleton.	160				150	10
44	Lemasters Bros.	Edwards.	150				150	
45	Barney Daley.	Oak Hill.	89				89	
46	Clark & Murdock.	Brimfield.	60				60	

PEORIA COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
47	James Stear.....	Peoria.....	50	.....	.....	.....	50	.....
48	Harry Barr.....	Edwards.....	40	.....	.....	.....	40	.....
49	James Cox.....	Hanna City.....	25	.....	.....	.....	25	.....
Total.....			201,134	.....	.....	.....	189,062	12,042
Total—60 mines.....			1,553,455	1,126,564	.....	208,130	191,927	26,534

Mines reported in 1916, 57.

New mines, 14.

Abandoned mines, 11.

Mines in 1917, 60.

PUTNAM COUNTY,

SHIPPING MINES.							
1	St. Paul Coal Co., No. 1.....	Granville.....	427,562	406,437	3,340	.....	13,245
2	B. F. Berry Coal Co., No. 1....	Standard.....	284,973	134,336	.....	127,033	12,454
Total—2 mines.....			712,535	540,773	3,340	127,033	25,699

Mines in 1916, 2.

Mines in 1917, 2.

TAZEWELL COUNTY,

SHIPPING MINES.							
1	Groveland Mining Co., No. 1....	Peoria.....	217,491	217,491	.....	.....	.....
2	Tazewell Coal Co.....	Pekin.....	146,627	97,143	.....	38,934	6,147
2	Ubben Coal Co., Ubben.....	do.....	29,000	10,000	.....	.....	17,800
4	Lake Erie Coal & Mining Co....	Peoria.....	27,883	11,320	.....	.....	16,563
5	Urbandale Coal Co.....	E. Peoria.....	9,339	8,000	.....	.....	1,339
Total.....			430,340	343,954	.....	38,934	41,849
LOCAL MINES.							
1	Manhattan Coal Co.....	E. Peoria.....	12,800	.....	.....	.....	12,500
2	David Grant & Co.....	Pekin.....	11,600	.....	.....	.....	11,250
3	Fred Seffer.....	E. Peoria.....	640	.....	.....	.....	640
4	Giebenhause Coal Co.....	do.....	500	.....	.....	.....	400
Total.....			25,540	.....	.....	.....	24,790
Total—9 mines.....			455,880	343,954	.....	38,934	66,639

Mines in 1916, 11.

New mines, 2.

Abandoned mines, 4.

Mines in 1917, 9.

WOODFORD COUNTY,

SHIPPING MINES.							
1	Roanoke Coal Co.....	Roanoke.....	132,811	34,974	9,795	71,633	8,879
2	Minonk Coal Co.....	Minonk.....	68,787	55,937	.....	.....	9,450
Total—2 mines.....			201,598	90,911	9,795	71,633	18,329

Mines in 1916, 2.

Mines in 1917, 2.

THIRD DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
1	1	.....	50	2	50	.....	.....	.....	.....	.....	.....	.....	.....	47
5	1	.....	100	1	40	.....	.....	.....	.....	.....	.....	.....	.....	48
.....	1	.....	30	2	25	.....	.....	.....	.....	.....	.....	.....	.....	49
8,396	22	39	156	296	181,585	19,549	.....	.....	.....	.....	.....	.....	.....	.....
76,233	48	61	174	1,700	1,378,655	174,800	14	2	.....	17	87	.....	.....	.....

THIRD DISTRICT, 1917.

.....	.....	2	1	270	721	427,562	.....	.....	1	24	.....	85	.....	.....	.....	1
20	.....	4	1	253	456	284,973	.....	.....	1	17	.....	65	.....	.....	.....	2
20	.....	6	2	262	1,177	712,535	.....	.....	2	41	.....	140	.....	.....	.....	.....

THIRD DISTRICT, 1917.

7,835	.....	2	5	286	201	184,868	32,623	3	.....	.....	3	14	.....	.....	.....	1
2,322	.....	2	5	275	172	.....	146,627	13	1	2	2	11	.....	.....	.....	2
460	.....	1	4	278	51	2,000	27,000	2	.....	.....	.....	6	.....	.....	.....	3
1,300	.....	2	4	285	37	27,883	.....	.....	.....	.....	.....	3	.....	.....	.....	4
623	50	1	3	167	22	9,339	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
12,540	50	8	21	258	483	224,090	206,250	18	1	2	5	34	.....	.....	.....	.....
666	.....	2	3	295	14	12,800	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
665	.....	1	3	230	16	11,600	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
32	.....	.....	.....	145	2	640	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
31	.....	1	2	100	4	500	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
1,394	.....	4	8	193	36	25,540	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
13,934	50	12	29	229	519	249,630	206,250	18	1	2	5	34	.....	.....	.....	.....

THIRD DISTRICT, 1917.

.....	500	2	3	295	223	130,394	2,417	1	.....	4	.....	38	.....	.....	.....	1
.....	.....	3	5	254	109	68,787	.....	.....	.....	.....	.....	16	.....	.....	.....	2
.....	500	5	8	275	332	199,181	2,417	1	.....	4	.....	54	.....	.....	.....	.....

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Marshall.....	3	466,184	175,856	74,189	172,073	19,612	24,454	988	1,467
2	Menard.....	1	155,878	99,547	.....	46,950	6,270	3,111	7,735	25
3	Peoria.....	11	1,352,321	1,126,864	.....	208,130	2,835	14,492	67,837	.....
4	Putnam.....	2	712,535	540,773	3,340	127,033	15,690	25,699	20	.....
5	Tazewell.....	5	430,340	343,954	.....	38,934	41,849	5,603	12,540	50
6	Woodford.....	2	201,598	90,911	9,795	71,633	18,329	10,930	.....	500
	Total.....	24	3,318,856	2,377,905	87,324	664,753	104,585	84,289	89,120	2,042

LOCAL MINES, RECAPITULATION BY

1	Marshall.....	12	6,506	.....	.....	.....	6,476	30	323	.....
2	Menard.....	8	41,405	.....	.....	.....	38,187	3,218	1,875	.....
3	Peoria.....	49	201,134	.....	.....	.....	189,092	12,042	8,396	.....
4	Tazewell.....	4	25,540	.....	.....	.....	24,790	750	1,394	.....
	Total.....	73	274,585	.....	.....	.....	258,545	16,040	11,988	.....
	The district..	97	3,593,441	2,377,905	87,324	664,753	363,130	100,329	101,108	2,042

ALL MINES, RECAPITULATION BY

1	Marshall.....	15	472,690	175,856	74,189	172,073	26,088	24,484	1,311	1,467
2	Menard.....	9	197,283	99,547	.....	46,950	44,457	6,329	9,610	25
3	Peoria.....	60	1,553,455	1,126,864	.....	208,130	191,927	26,534	76,233	.....
4	Putnam.....	2	712,535	540,773	3,340	127,033	15,690	25,699	20	.....
5	Tazewell.....	9	455,880	343,954	.....	38,934	66,639	6,353	13,934	50
6	Woodford.....	2	201,598	90,911	9,795	71,633	18,329	10,930	.....	500
	Total.....	97	3,593,441	2,377,905	87,324	664,753	363,130	100,329	101,108	2,042

Whole number of mines reported for 1916, 93.

Number of new and reopened mines during the year, 22.

Number of mines abandoned during the year, 18.

Whole number of mines reported for 1917, 97.

COUNTIES, THIRD DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
241	958	465,567	617	1	1	40	5	66	.....	.....	.....	1
247	157	155,878	.....	.....	.....	2	.....	17	.....	.....	.....	2
252	1,404	1,197,070	155,251	13	2	11	17	90	.....	.....	.....	3
262	1,177	712,535	.....	.....	2	41	.....	140	.....	.....	.....	4
258	483	224,090	206,250	18	1	2	5	34	.....	.....	.....	5
275	332	199,181	2,417	1	.....	4	.....	38	.....	.....	.....	6
255	4,511	2,954,321	364,535	33	6	100	27	385	.....	.....	.....	.....

COUNTIES, THIRD DISTRICT, 1917.

90	31	6,506	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
211	85	41,405	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
156	296	181,585	19,549	1	.....	.....	.....	.....	.....	.....	.....	3
193	36	25,540	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
153	448	255,036	19,549	1	.....	.....	.....	.....	.....	.....	.....	.....
178	4,959	3,209,357	384,084	34	6	100	27	385	.....	.....	.....	.....

COUNTIES, THIRD DISTRICT, 1917.

120	989	472,073	617	1	1	40	5	66	.....	.....	.....	1
215	242	197,283	.....	.....	.....	2	.....	17	.....	.....	.....	2
174	1,700	1,378,655	174,800	14	2	11	17	90	.....	.....	.....	3
262	1,177	712,535	.....	.....	2	41	.....	140	.....	.....	.....	4
229	519	249,630	206,250	18	1	2	5	35	.....	.....	.....	5
275	332	199,181	2,417	1	.....	4	.....	38	.....	.....	.....	6
178	4,959	3,209,357	384,084	34	6	100	27	385	.....	.....	.....	.....

FOURTH INSPECTION DISTRICT.

COUNTIES—CASS, FULTON, HANCOCK, McDONOUGH, MORGAN, SCHUYLER AND SCOTT. DAVID Z. THRUSH, *Inspector*.

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Fourth District, comprising the coal producing counties of Cass, Fulton, Hancock, McDonough, Morgan, Schuyler and Scott.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	7
Number of shipping mines.....	19
Number of local mines.....	166
Number of new or reopened mines.....	44
Number of closed or abandoned mines.....	67
Number of men underground.....	3,108
Number of boys underground.....	31
Number of men outside the mine.....	301
Number of boys outside the mine.....	2
Total number of employees.....	3,442
Total tons of coal produced.....	2,790,350
Days of active operation, all mines.....	152
Kegs of powder used for blasting coal.....	131,458
Number of fatal accidents.....	3
Number of nonfatal accidents.....	24
Number of employees to each fatal accident.....	1,147
Number of employees to each nonfatal accident.....	143
Tons of coal produced to each fatal accident.....	930,117
Tons of coal produced to each nonfatal accident.....	116,265
Ratio of fatal accidents per 1,000 employees.....	.97

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Cass.....	1,500	210	3	1,200	190	3	300	20				
Fulton.....	2,739,185	167	3,208	2,036,781	160	3,049	702,404	7	159			
Hancock.....	3,965	200	8	4,160	255	18				195	55	10
McDonough.....	17,603	119	111	21,831	116	125		3		4,225		14
Morgan.....	1,000	206	6	1,535	188	7		18		535		1
Schuyler.....	24,154	155	88	16,596	124	85	7,558	31	3			
Scott.....	2,940	134	18	4,657	147	24				1,717	13	6
Total and average	2,790,350	152	3,442	2,086,760	145	3,311	710,262		162	6,672		31
Net.....							703,590	7	131			

NEW AND ABANDONED MINES.

The Norris Coal Mining Company's mine at Norris, which has been closed for some time, has been reopened under the name of Genuine Norris Coal Mining Company. Forty-three other mines, all in local trade, have been put in operation and sixty-seven permanently abandoned or temporarily closed during the year.

FATAL ACCIDENTS.

September 6, 1916, Thomas Martin, driver, age 39 years, married, was killed in Simmons Coal Company's mine, Canton, Fulton County, by pit cars. He leaves a widow and four children, two of whom are dependents.

February 6, 1917, William A. Sietz, miner, age 39 years, married, employed in the mine of the Genuine Norris Coal Mining Company, Norris, Fulton County, was killed by suffocation, due to gas and smoke, caused by blast explosions. He leaves a widow and one child.

March 24, 1917, Herman Block, top foreman, age 39 years, married, employed by the Maplewood Coal Company at mine No. 1, Farmington, Fulton County, was killed by railroad cars. Deceased was pinching down two cars and was standing between them on the switch. When the cars were started he attempted to step from between them but his foot caught in the switch-frog and the rear car ran over him, causing injuries from which he died in a few hours at St. Mary's Hospital, Galesburg. He leaves a widow and five children.

Respectfully submitted,

DAVID Z. THRUSH,
State Inspector, Canton, Illinois.

FATAL CASUALTIES, FOURTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916 Sept. 6	Thomas Martin.....	39	Driver.....	Canton.....	1	1	4	3		Pit car.
1917 Feb. 6	William A. Sietz.....	39	Miner.....	Norris.....	1	1	1	2		Asphyxiated.
Mar. 24	Herman Block.....	39	Foreman.....	Farmington.....	1	1	5	6		Railroad cars.
	Total.....				3	3	10	11		

RECAPITULATION OF FATAL ACCIDENTS, FOURTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Canton.....	1	Driver.....	1	Asphyxiated.....	1	Genuine Norris C. Co. .	1
Farmington.....	1	Foreman.....	1	Pit cars.....	1	Maplewood Coal Co. .	1
Norris.....	1	Miner.....	1	Railroad cars.....	1	Simmons Coal Co. .	1
Total.....	3		3		3		3

NONFATAL CASUALTIES, FOURTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July 21	Pete Urkovich	33	St. David	1	4	4		Leg broken, falling slate	53
Aug. 18	Nielson Blakesmith	22	Norris	1				Leg broken, falling coal	35
30	John Boone	45	St. David	1	3	12		Leg broken, machine	305
Sept. 20	Joe Tomic	35	do	1	7	7		Collar bone broken, pit car	136
20	James Yerbich	30	Dunfermline	1	3	4		Leg broken, pit car	48
Oct. 6	Henry Riddle	35	St. David	1	2	3		Leg cut off, machine	*
13	A. Hefle	58	Farmington	1	1	1		Ribs broken, falling slate	*
19	John Stealey	54	Canton	1	1	1		Arm injured, falling slate	33
23	Frank Vacca	31	do	1	1			Finger broken, pit car	40
26	George Estes	22	St. David	1	1	2		Body injured, pit car	41
Nov. 14	George Welt	22	Farmington	1	1			Finger broken, pit car	35
Dec. 5	Wm. Deere, Jr.	24	Canton	1	1	2		Leg broken, pit car	*
15	Orvil Spence	20	Middlegrove	1				Foot broken, railroad car	40
1917									
Jan. 5	C. Cadmar	43	Norris	1				Foot injured, pit car	37
11	Chas. Raukin	37	Cuba	1				Ankle broken, falling timber	92
11	Roy Williams	17	Farmington	1				Leg broken, motor	*
Feb. 3	John Maggi	do	do	1				Leg broken, not stated	*
10	Hubert Walters	27	do	1				Finger cut off, pit car	90
16	Clarence Tadovich	28	St. David	1				Leg broken, falling clod	*
Mar. 17	V. Rigglozzi	do	Farmington	1				Leg broken, not stated	*
May 3	Jesse Hackett	32	Bryant	1	1	1		Leg broken, pit car	*
9	P. G. Hemmersbach	43	Farmington	1	4	5		Eye destroyed, flying wedge	40
June 9	William Herman	34	Ellisville	1	2	3		Leg broken, pit car	*
21	Ruby Goesley	34	Norris	1	1			Foot injured, pit car	*
	Total			12	12	28	35		

* Not returned to work.

Number injured	24	Time lost by men returned, days	1,025
Number not returned to work	10	Average days lost	73.21
Number returned	14		

RECAPITULATION OF NONFATAL ACCIDENTS, FOURTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Bryant	1	Cagers	2	Falling clod	1	Alden Coal Co.	1
Canton	3	Drivers	9	Falling coal	1	Big Creek Coal Co.	10
Cuba	1	Laborers	5	Falling slate	3	Eagle Mining Co.	2
Dunfermline	1	Mch. runners	2	Falling timber	1	Genuine Norris Mining Co.	2
Ellisville	1	Miners	5	Flying wedge	1	Maplewood Colliery Co.	2
Farmington	7	Motorman	1	Machine	2	National Coal Mining Co.	2
Middlegrove	1			Motor	1	Silver Creek Colliery Co.	4
Norris	3			Pit car	11	Spoon River Colliery Co.	1
St. David	6			Railroad car	1		
				Not stated	2		
Total	24		24		24		24

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, FOURTH DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken.....	1		1			92	92.00	4.17
Arm injured.....	1	1		1	1	33	33.00	4.17
Body injured.....	1	1		1	2	41	41.00	4.17
Collar bone broken.....	1	1		7	7	136	136.00	4.17
Eye destroyed.....	1	1		4	5	40	40.00	4.17
Finger broken.....	2		2			75	37.50	8.32
Finger cut off.....	1		1			90	90.00	4.17
Foot broken.....	1		1			40	40.00	4.17
Foot injured ¹	2		2			37	37.00	8.32
Leg broken ²	11	6	5	13	16	441	110.25	45.83
Leg cut off ¹	1	1		2	3			4.17
Rib broken ¹	1	1			1			4.17
Total.....	24	12	12	28	35	1,025	73.21	100.00

¹ One not returned.² Seven not returned.

CASS COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	Ed. Knight.....	Beardstown..	1,500	.....	.....	.....	1,500	.....

Mines in 1916, 1. Mines in 1917, 1.

FULTON COUNTY,

SHIPPING MINES.								
1	Big Creek Coal Co., No. 2.....	St. David....	300,127	288,593	.....	.....	.....	11,534
2	Silver Creek Colliery Co.....	Farmington..	279,708	180,115	.....	95,092	.....	4,501
3	Big Creek Coal Co., No. 4.....	Dunfermline..	207,007	196,978	.....	.....	847	9,182
4	Monmouth Coal M. Co., No. 1..	Brereton.....	172,413	104,670	.....	61,867	.....	5,676
5	Alden Coal Co., No. 8.....	Farmington..	163,876	81,625	.....	79,552	.....	2,699
6	National Coal Mining Co.....	do.....	150,074	77,940	.....	65,909	276	5,949
7	Star Coal Co., No. 3.....	Cuba.....	147,278	52,210	.....	92,515	.....	2,553
8	Simmons Coal Co.....	Canton.....	137,674	69,157	.....	64,866	.....	3,651
9	Maplewood Colliery Co., No. 2..	Farmington..	132,053	124,275	.....	.....	804	6,974
10	Eagle Mining Co.....	Canton.....	128,085	81,070	11,445	28,204	5,861	1,505
11	Alden Coal Co., No. 6.....	Norris.....	127,839	60,442	.....	60,226	1,708	5,463
12	Alden Coal Co., No. 5.....	Farmington..	120,020	59,646	.....	56,945	694	2,735
13	Big Creek Coal Co., No. 3.....	Cuba.....	118,717	113,938	1,232	.....	1,351	2,196
14	Spoon River Colliery Co.....	London Mills.	102,239	66,521	.....	31,707	1,011	3,000
15	Maplewood Coal Co., No. 1.....	Farmington..	78,441	72,966	.....	.....	.....	5,475
16	Genuine Norris C. M. Co.....	Norris.....	66,129	47,866	.....	16,160	487	1,616
17	Coal Creek Mining Co.....	Fairview....	41,930	41,930	.....	.....	.....	.....
18	Star Coal Co., No. 2.....	Cuba.....	38,112	19,970	.....	17,239	.....	903
19	Star Coal Co., No. 1.....	Fiatt.....	37,000	18,000	.....	17,200	.....	1,800
Total.....			2,548,722	1,758,112	12,677	687,482	13,039	77,412
LOCAL MINES.								
1	Neal Baxter.....	Canton.....	35,000	.....	.....	.....	34,500	500
2	Joe McLaughlin.....	do.....	21,000	.....	.....	.....	21,000	.....
3	Middleton Coal Co.....	do.....	20,000	.....	.....	.....	19,500	500
4	R. J. Nahn.....	Lewistown..	17,000	.....	.....	.....	17,000	.....
5	Westerby Bros. & Gooden.....	Farmington..	15,333	.....	.....	.....	15,033	300
6	Picton & Bennett.....	Cuba.....	7,332	.....	.....	.....	6,988	344
7	John Johnson.....	Canton.....	5,200	.....	.....	.....	4,400	800
8	South & Lawson.....	Ellisville..	5,200	.....	.....	.....	5,000	200
9	Spenny Coal Co.....	Canton.....	4,448	.....	.....	.....	4,448	.....
10	W. O. Falkenstein.....	Astoria.....	3,600	.....	.....	.....	3,200	400
11	Eclips Coal Co.....	do.....	3,500	.....	.....	.....	3,000	500
12	Murphy & Sons.....	Canton.....	2,800	.....	.....	.....	2,800	.....
13	Gray & Son.....	Ipava.....	2,800	.....	.....	.....	2,800	.....
14	Ralph L. Wade.....	Canton.....	2,512	.....	.....	.....	2,512	.....
15	Harry Porter.....	St. David....	2,000	.....	.....	.....	2,500	.....
16	M. R. Parks.....	Bluff City..	2,500	.....	.....	.....	2,500	.....
17	A. J. Gunnett.....	Fairview....	2,425	.....	.....	.....	2,425	.....
18	H. G. Baxter.....	do.....	2,050	.....	.....	.....	2,050	.....
19	Ross Parr.....	Astoria.....	1,640	.....	.....	.....	1,590	50
20	Fred Lingenfelder.....	Canton.....	1,870	.....	.....	.....	1,587	.....
21	Wm. Bath.....	St. David....	1,535	.....	.....	.....	1,535	.....
22	O. H. Standard.....	Canton.....	1,500	.....	.....	.....	1,500	.....
23	Andrew Weber.....	Table Grove	1,467	.....	.....	.....	1,467	.....
24	Frank Tindall.....	Glasford....	1,430	.....	.....	.....	1,430	.....

FOURTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosive used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.			Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year	
2				210	3	1,500										1

FOURTH DISTRICT, 1917.

7,757	2	1	259	333	28,662	271,465	13	7	3	30						1
16,400	3		261	225	279,708			4	1	21						2
4,754	2		247	254	48,885	158,122	8	2	2	26						3
9,872	3	1	258	200	172,413					12						4
5,680	2		260	157		163,876	6			15						5
10,687	2		263	160	150,074			2		20						6
8,100	3		251	181	147,278					20						7
2,004	2	3	223	156	9,919	127,755	6	1		14						8
9,102	3		278	110	132,053					1						9
7,119	4		251	165	128,085			2	1	10						10
9,339	2		252	161	127,833			1	2	18						11
8,306	1	2	261	145	120,020					25						12
6,800	4		217	148	118,717				1	10						13
7,302	4	1	261	131	102,239				1	10						14
4,981	2		272	85	78,441			1		7						15
4,245	50	3	1	161	66,129			1	2	19						16
2,425	2		244	34	41,930					4						17
1,879	2	1	181	52	38,112					10						18
3,049	2	2	295	43	37,000					4						19
129,921	50	48	12	247	2,880	1,827,504	721,218	33	3	24	15	287				
600	1	2	200	24	35,000											1
1,000	1	2	200	22	21,000											2
500	2	3	200	28	20,000											3
1,090	1	4	250	10	17,000											4
700	1		264	19	15,333											5
340	1	2	200	8	7,332											6
280		1	160	10	5,200											7
300	1	1	175	7	5,200											8
70	1	2	270	8	4,448											9
200	1		150	9	3,600											10
200		3	150	8	3,500											11
85	1		200	3	2,800											12
170	1		168	5	2,512											13
125			200	5	2,500											14
16		1	35	4	2,500											15
200	2	1	250	5	2,425											16
80			200	2	2,050											17
70	1	2	200	7	1,640											18
52	2	1	230	4	1,587											19
100	1	2	224	3	1,535											20
45	2	1	180	4	1,500											21
300			150	6	1,467											22
80		1	175	3	1,430											23

FULTON COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
25	I. R. Dubois.....	Norris.....	1,200				1,200	
26	William Dilts.....	Fairview.....	1,200				1,200	
27	Silas Simpson.....	Cuba.....	1,152				1,152	
28	H. R. Brush.....	Marietta.....	1,050				1,050	
29	L. A. Ratcliffe.....	Fairview.....	1,000				800	200
30	W. A. Sheets.....	do.....	960				960	
31	Nick Bennett.....	Cuba.....	850				850	
32	B. W. Diekson.....	Bryant.....	840				840	
33	James Grindle.....	Cuba.....	812				812	
34	E. E. Post.....	Bryant.....	800				800	
35	A. E. Wilson.....	Astoria.....	800				800	
36	Geo. Whitehead.....	Lewistown.....	800				800	
37	Geo. Goodman.....	do.....	775				775	
38	Bartol Zaborac.....	St. David.....	750				750	
39	Geo. Provard.....	Canton.....	750				750	
40	John Turner.....	do.....	700				700	
41	Ed. Stanley.....	Fairview.....	680				680	
42	D. A. Brown.....	Cuba.....	650				650	
43	C. Leonard.....	Ipava.....	640				640	
44	Frank Adkinson.....	Breeds.....	617				617	
45	Charles Raker.....	Lewistown.....	600				600	
46	Lewis E. Johnson.....	Canton.....	600				600	
47	John Ealy.....	Marietta.....	500				500	
48	F. C. Rouden.....	Cuba.....	554				554	
49	Isaac Hendee.....	Astoria.....	550				550	
50	Isaac Man.....	Canton.....	520				520	
51	Harry Baxter.....	Cuba.....	495				495	
52	E. A. Blackaby.....	do.....	445				445	
53	Thos. Engle.....	do.....	440				440	
54	J. F. Strobe.....	do.....	400				400	
55	Allen English.....	Marietta.....	400				400	
56	J. Brewe.....	Cuba.....	400				400	
57	Arthur Billings.....	Lewistown.....	350				350	
58	Peter Westerfield.....	Canton.....	320				320	
59	Draper Bros.....	Maple Mills.....	300				300	
60	George Edgerly.....	Fairview.....	254				254	
61	Ed. Rinkenbaure.....	do.....	200				200	
62	Yocum & Shields.....	Lewistown.....	200				200	
63	Frank Neuneker.....	Bushnell.....	200				200	
64	E. Kruzan.....	Ipava.....	200				200	
65	Floyd Calhoun.....	Marietta.....	175				175	
66	John Williams.....	Canton.....	160				160	
67	Wm. Sheets.....	Fairview.....	150				150	
68	Dan Bollinge.....	Cuba.....	125				125	
69	C. E. Clark.....	Lewistown.....	100				100	
70	G. E. Garrett.....	Astoria.....	100				100	
71	D. G. Caplinger.....	Cuba.....	80				80	
72	Memmen Bros.....	Breeds.....	80				80	
73	J. Orwig.....	Marietta.....	60				60	
74	F. Hubble.....	Avon.....	60				60	
Total.....			190,463				186,669	3,794
Total—93 mines.....			2,739,185	1,758,112	12,677	687,482	199,708	81,206

Mines in 1916, 114. New mines, 17. Abandoned mine, 33. Mines in 1917, 93.

FOURTH DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
30		1		175	3	1,200									25
48				65	2	1,200									26
56		1		210	1	1,152									27
240			1	200	3	1,050									28
48				200	3	1,000									29
50			1	125	4	960									30
42		1		150	2	840									31
30			3	180	2	812									32
33				130	3	800									33
4				240	3	800									34
45			1	130	4	800									35
100				200	5	775									36
30		1		180	2	750									37
46			2	130	3	750									38
38				160	1	700									39
35				200	1	680									40
35				150	2	650									41
52				100	2	640									42
35				210	6	617									43
32			1	100	2	600									44
30		1	2	130	3	600									45
150			3	130	4	550									46
36				150	2	554									47
26				200	2	550									48
26			1	250	1	520									49
28				120	2	495									50
20			1	110	1	445									51
25		1	1	85	2	440									52
16				100	3	400									53
20			1	124	2	400									54
12				100	2	400									55
12			1	140	2	350									56
17		2		100	1	320									57
15			2	100	2	300									58
15			1	127	1	254									59
10				80	1	200									60
10			5	40	7	200									61
14			2	100	4	200									62
10		1		75	1	200									63
10			1	150	1	175									64
8				40	1	160									65
10				50	1	150									66
7				75	1	125									67
6			4	25	2	100									68
4			1	60	1	100									69
5				50	1	80									70
4			1	20	2	80									71
				36	1	60									72
5				20	1	60									73
						60									74
14	50	29	71	146	328	190,463									
129,935		50	77	83	167	3,208	2 017,967	721,218	33	3	24	15	287		

HANCOCK COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	Meredith Bros., No. 1.....	Augusta.....	3,500	.....	.....	.....	3,450	50
2	Jones & Ebens.....	do.....	465	.....	.....	.....	465	.....
Total—2 mines.....			3,965	.....	.....	.....	3,915	50

Mines in 1916, 3. Abandoned, 1. Mines in 1917, 2.

M'DONOUGH COUNTY,

LOCAL MINES.								
1	Stone Bros.....	Colchester.....	2,440	.....	.....	.....	2,440	.....
2	Foster Coal Co.....	do.....	1,610	.....	.....	.....	1,610	.....
3	John Burton.....	do.....	850	.....	.....	.....	850	.....
4	Marion Maclure.....	do.....	807	.....	.....	.....	807	.....
5	Frank Wagler.....	do.....	680	.....	.....	.....	680	.....
6	Ed. Zinn.....	Industry.....	630	.....	.....	.....	630	.....
7	Jack McGrann.....	Colchester.....	600	.....	.....	.....	600	.....
8	John Wilson.....	do.....	580	.....	.....	.....	580	.....
9	Fox Bros.....	do.....	560	.....	.....	.....	560	.....
10	Webster & Stone.....	do.....	500	.....	.....	.....	500	.....
11	Star & Barnes.....	Industry.....	490	.....	.....	.....	490	.....
12	Elmer Hamilton.....	Blandinsville.....	480	.....	.....	.....	480	.....
13	Elmer Swanson.....	Colchester.....	451	.....	.....	.....	451	.....
14	Gilbert Miller.....	do.....	450	.....	.....	.....	450	.....
15	Baird Bros.....	do.....	444	.....	.....	.....	444	.....
16	Hoar & Barber.....	do.....	430	.....	.....	.....	430	.....
17	Forest Baker.....	Macomb.....	380	.....	.....	.....	380	.....
18	I. L. Willey.....	do.....	365	.....	.....	.....	365	.....
19	Willis Nelson.....	Colchester.....	360	.....	.....	.....	360	.....
20	Berney & Stewart.....	do.....	349	.....	.....	.....	349	.....
21	James Guy.....	do.....	303	.....	.....	.....	303	.....
22	Baird Bros.....	do.....	262	.....	.....	.....	262	.....
23	Frank Murray.....	do.....	252	.....	.....	.....	252	.....
24	Frank Vogler.....	Birmingham.....	250	.....	.....	.....	250	.....
25	C. E. Stone.....	Colchester.....	250	.....	.....	.....	250	.....
26	Harpe & Fenton.....	do.....	247	.....	.....	.....	247	.....
27	James Wayland.....	do.....	245	.....	.....	.....	245	.....
28	Isaac Fisher.....	do.....	216	.....	.....	.....	216	.....
29	John Kipling.....	do.....	205	.....	.....	.....	205	.....
30	Charley Norris.....	Macomb.....	200	.....	.....	.....	200	.....
31	Harry Averrill.....	Colchester.....	175	.....	.....	.....	175	.....
32	C. H. Price.....	Fandon.....	170	.....	.....	.....	170	.....
33	P. M. Jennings.....	Industry.....	170	.....	.....	.....	170	.....
34	George Curtis.....	do.....	163	.....	.....	.....	163	.....
35	Oscar Swanson.....	Colchester.....	160	.....	.....	.....	160	.....
36	W. L. Stoneking.....	Birmingham.....	145	.....	.....	.....	145	.....
37	Henry Finch.....	Macomb.....	140	.....	.....	.....	140	.....
38	T. N. Kipling.....	Colchester.....	100	.....	.....	.....	100	.....
39	Wm. Jones.....	do.....	90	.....	.....	.....	90	.....
40	Clarence Martin.....	do.....	82	.....	.....	.....	82	.....
41	Lem Williams.....	do.....	65	.....	.....	.....	65	.....
42	J. W. Harpe.....	do.....	60	.....	.....	.....	60	.....
43	Allie Vawters.....	do.....	52	.....	.....	.....	52	.....
44	John Berry.....	do.....	50	.....	.....	.....	50	.....
45	James Wilson.....	do.....	42	.....	.....	.....	42	.....
46	Sam McCord.....	do.....	30	.....	.....	.....	30	.....
47	James Wingo.....	LaHarpe.....	16	.....	.....	.....	16	.....
48	George Polonus.....	Colchester.....	10	.....	.....	.....	10	.....
Total—48 mines.....			17,606	.....	.....	.....	17,606	.....

Mines in 1916, 50. New mines, 9. Abandoned mines, 11. Mines in 1917, 48.

MORGAN COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	W. T. Fisher.....	Murrayville..	700	.....	.....	.....	700	.....
2	Charles Wagstaff.....	do.	300	.....	.....	.....	300	.....
Total—2 mines.....			1,000	.....	.....	.....	1,000	.....

Mines in 1916, 2. Mines in 1917, 2.

SCHUYLER COUNTY,

LOCAL MINES.								
1	J. W. Wriston.....	Rushville....	2,975	.....	.....	.....	2,975	.....
2	Meredit Bros.....	do.	2,500	.....	.....	.....	2,500	.....
3	J. R. Wriston.....	do.	1,800	.....	.....	.....	1,800	.....
4	Harry Settles.....	do.	1,800	.....	.....	.....	1,800	.....
5	Ray Hickerson.....	do.	1,750	.....	.....	.....	1,750	.....
6	J. R. Thompson.....	do.	1,500	.....	.....	.....	1,500	.....
7	E. E. Vogler.....	Littleton.....	1,080	.....	.....	.....	1,080	.....
8	Ross Porter.....	do.	975	.....	.....	.....	975	.....
9	Cliff Spiller.....	Pleasantview..	880	.....	.....	.....	880	.....
10	C. H. Price.....	Littleton.....	850	.....	.....	.....	850	.....
11	Ben Estes.....	Brooklyn.....	850	.....	.....	.....	850	.....
12	Simpson & Gory.....	Ray.....	750	.....	.....	.....	750	.....
13	George Rayborn.....	Frederick.....	655	.....	.....	.....	655	.....
14	Wheelhouse & Tomlinson.....	Rushville.....	650	.....	.....	.....	650	.....
15	Beard Bros.....	Ray.....	540	.....	.....	.....	540	.....
16	A. Gorden.....	Camden.....	500	.....	.....	.....	500	.....
17	F. W. Croxton.....	Pleasantview..	480	.....	.....	.....	480	.....
18	J. G. Passano.....	Ray.....	450	.....	.....	.....	450	.....
19	C. A. Tomilson.....	Rushville.....	416	.....	.....	.....	416	.....
20	E. G. x.....	Camden.....	350	.....	.....	.....	350	.....
21	William Vencent.....	Littleton.....	350	.....	.....	.....	350	.....
22	Joe Henderlighter.....	Rushville.....	335	.....	.....	.....	335	.....
23	France & Hish.....	Littleton.....	260	.....	.....	.....	260	.....
24	Sherley & Stewart.....	Huntsville.....	260	.....	.....	.....	260	.....
25	A. Farree.....	Pleasantview..	250	.....	.....	.....	250	.....
26	William Cagle.....	do.	233	.....	.....	.....	233	.....
27	Will Skiles.....	Littleton.....	225	.....	.....	.....	225	.....
28	Simon Portwood.....	Birmingham..	175	.....	.....	.....	175	.....
29	Alving Hartford.....	Littleton.....	125	.....	.....	.....	125	.....
30	Willey & Stoneking.....	do.	125	.....	.....	.....	125	.....
31	Frank Clevenger.....	Brooklyn.....	35	.....	.....	.....	35	.....
32	L. Mesic.....	Huntsville.....	30	.....	.....	.....	30	.....
Total—32 mines.....			24,154	.....	.....	.....	24,154	.....

Mines in 1916, 30. New mines, 17. Abandoned mines, 15. Mines in 1917, 32.

SCOTT COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	G. W. Northrop.....	Alsey.....	778	.....	.....	.....	778	.....
2	James J. Morris.....	Exeter.....	650	.....	.....	.....	650	.....
3	Robert L. Brown.....	do.....	520	.....	.....	.....	520	.....
4	Charles Taylor.....	do.....	440	.....	.....	.....	440	.....
5	J. A. Jones.....	Winchester.....	200	.....	.....	.....	200	.....
6	George Sellers.....	do.....	192	.....	.....	.....	192	.....
7	David Orchard.....	Exeter.....	160	.....	.....	.....	160	.....
Total—7 mines.....			2,940	.....	.....	.....	2,940	.....

Mines in 1916, 8. New mines 1. Abandoned mines 2. Mines in 1917, 7.

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.				Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.	
1	Fulton.....	19	2,548,722	1,758,112	12,677	687,482	13,039	77,412	129,921
	Total.....	19	2,548,722	1,758,112	12,677	687,482	13,039	77,412	129,921

LOCAL MINES, RECAPITULATION BY

1	Cass.....	1	1,500	.....	.....	.....	1,500	.....	8
2	Fulton.....	74	190,463	.....	.....	.....	189,669	3,794	11
3	Hancock.....	2	3,965	.....	.....	.....	3,915	50	.....
4	McDonough.....	48	17,606	.....	.....	.....	17,606	.....	.....
5	Morgan.....	2	1,000	.....	.....	.....	1,000	.....	.....
6	Schuyler.....	32	24,154	.....	.....	.....	24,154	.....	1,515
7	Scott.....	7	2,940	.....	.....	.....	2,940	.....	.....
	Total.....	166	241,628	.....	.....	.....	237,784	3,844	1,537
	The district.	185	2,790,350	1,758,112	12,677	687,482	250,823	81,256	131,458

ALL MINES, RECAPITULATION BY

1	Cass.....	1	1,500	.....	.....	.....	1,500	.....	8
2	Fulton.....	93	2,739,185	1,758,112	12,677	687,482	199,708	81,206	129,935
3	Hancock.....	2	3,965	.....	.....	.....	3,915	50	.....
4	McDonough.....	48	17,606	.....	.....	.....	17,606	.....	.....
5	Morgan.....	2	1,000	.....	.....	.....	1,000	.....	.....
6	Schuyler.....	32	24,154	.....	.....	.....	24,154	.....	1,515
7	Scott.....	7	2,940	.....	.....	.....	2,940	.....	.....
	Total.....	185	2,790,350	1,758,112	12,677	687,482	250,823	81,256	131,458

Whole number of mines reported for 1916, 208.

Number of new and reopened mines during the year, 44.

Number of mines abandoned during the year, 67.

Whole number of mines reported for 1917, 185.

COUNTIES, FOURTH DISTRICT, 1917.

Days of active operation.	Total employes.	Tons mined.		Number of machines.	Accidents.			Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.	Number of motors.		Number in use.	Average daily capacity.	Tons prepared during the year.	
247	2,880	1,827,504	721,218	33	3	24	15	287	.....	.....	.....	1
247	2,880	1,827,504	721,218	33	3	24	15	287	.....	.....	.....

COUNTIES, FOURTH DISTRICT, 1917.

210	3	1,500	1 2 3 4 5 6 7
146	328	190,463	.....	.....	.....	.....	.....	.....	.....	.....	.....
200	8	3,965	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	111	17,606	.....	.....	.....	.....	.....	.....	.....	.....	.....
206	6	1,000	.....	.....	.....	.....	.....	.....	.....	.....	.....
155	88	24,154	.....	.....	.....	.....	.....	.....	.....	.....	.....
134	18	2,940	.....	.....	.....	.....	.....	.....	.....	.....	.....
141	562	241,628	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	3,442	2,069,132	721,218	33	3	24	15	287	

COUNTIES, FOURTH DISTRICT, 1917.

210	3	1,500	1 2 3 4 5 6 7
167	3,208	2,017,967	721,218	33	3	24	15	287	.....	.....	.....
200	8	3,965	.....	.....	.....	.....	.....	.....	.....	.....	.....
119	111	17,606	.....	.....	.....	.....	.....	.....	.....	.....	.....
206	6	1,000	.....	.....	.....	.....	.....	.....	.....	.....	.....
155	88	24,154	.....	.....	.....	.....	.....	.....	.....	.....	.....
134	18	2,940	.....	.....	.....	.....	.....	.....	.....	.....	.....
152	3,442	2,069,132	721,218	33	3	24	15	287	.....	.....	.....

FIFTH INSPECTION DISTRICT.

COUNTIES—CHRISTIAN, MACON, MOULTRIE, SHELBY AND VERMILION.
JOSEPH HASKINS, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Fifth District, comprising the coal producing counties of Christian, Macon, Moultrie, Shelby and Vermilion.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	5
Number of shipping mines.....	28
Number of local mines.....	24
Number of new or reopened mines.....	13
Number of closed or abandoned mines.....	14
Number of men underground.....	6,136
Number of boys underground.....	113
Number of men outside the mine.....	600
Number of boys outside the mine.....	10
Total number of employees.....	6,859
Total tons of coal produced.....	6,716,090
Days of active operation, all mines.....	203
Kegs of powder used for blasting coal.....	130,190
Number of fatal accidents.....	16
Number of nonfatal accidents.....	168
Number of employees to each fatal accident.....	429
Number of employees to each nonfatal accident.....	41
Tons of coal produced to each fatal accident.....	419,756
Tons of coal produced to each nonfatal accident.....	39,977
Ratio of fatal accidents per 1,000 employees.....	2.33

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Christian.....	2,822,167	222	2,750	2,373,362	196	2,433	448,805	26	317	.....	.....	.....
Macon.....	259,004	174	462	173,530	209	376	85,474	.....	86	.....	.....	.....
Moultrie.....	239,818	258	200	180,040	213	178	59,778	45	22	.....	.....	.....
Shelby.....	95,682	183	215	82,650	171	151	13,032	12	64	.....	.....	.....
Vermilion.....	3,209,419	201	3,232	2,608,815	171	2,978	690,604	30	254	.....	.....	.....
Total and average	6,716,090	203	6,859	5,418,397	177	6,116	1,297,693	.....	743	.....	.....	.....
Net.....	.....	.....	.....	.....	.....	.....	.....	26	.....	.....	.....	.....

NEW AND REOPENED MINES.

The following are the new and reopened mines:

Pana Coal Co., No. 1, Pana, Christian County.

Niantic Mining Co., Niantic, Macon County.

Tower Hill Coal Co., Tower Hill; John O'Brien, Shelbyville, Shelby County.

Peabody Coal Co., No. 24, United States Fuel Co., Westville; Ohio Fuel Co., Reffett & Brant, Grape Creek; Brady Branch Coal Co., F. L. Branaman, Wm. J. Parson, Danville; Frank Holmgren, Catlin; Lawrence Balduchi, Fairmount, Vermilion County.

ABANDONED AND CLOSED MINES.

Shelby County.—B. F. Stretch & Son, Shelbyville.

Vermilion County.—Producers Coal Co., No. 22, Clingem Bros., Ed. Wooster, Jake Willis, Fred Lafferty, Westville; Charles E. Ling, Mrs. W. A. Cole, Westfall Coal Co., Cunningham and Cunningham, Danville; Palmer Coal Co., Ellis Peffett, James Brown, Willis Jenkins, Grape Creek.

CHANGE OF NAME.

Springfield C. M. Co. No. 6 to Springfield District Coal Mining Co. No. 8; Bunsen Coal Co., Nos. 3, 4, and Vermilion, to United States Fuel Co. Nos. 3, 4, and Vermilion.

FATAL ACCIDENTS.

July 16, 1916, Valentino Plorendo, miner, age 34 years, single, was killed in Peabody Coal Company's No. 24 mine, Westville, Vermilion County, by falling rock.

August 25, 1916, Louis Venzon, loader, age 32 years, married, was killed by a shot explosion in Peabody Coal Company's No. 7 mine, Kincaid, Christian County. He leaves a widow and five children.

October 9, 1916, Peter Fosatti, machine runner, age 42 years, single, was killed by pit cars in United States Fuel Company's Vermilion mine, Westville, Vermilion County.

October 10, 1916, Dimetro Borracorsi, driver, age 29 years, single, was killed in United States Fuel Company's No. 4 mine, Westville, Vermilion County, by pit cars.

November 25, 1916, Frew Gelonek, miner, age 62 years, married, employed in Decatur Coal Company's No. 2 mine, Decatur, Macon County, was killed by a fall of rock. He leaves a widow.

December 14, 1916, Thomas Raymond, loader, age 33 years, single, was killed by a shot explosion in Peabody Coal Company's No. 7 mine, Kincaid, Christian County. He leaves one dependent.

December 22, 1916, Miro Ambrosia, loader, age 32 years, single, was killed by falling coal in Peabody Coal Company's No. 8 mine, Kincaid, Christian County.

January 15, 1917, Charles Taylor, engineer, age 54 years, married, employed by the Contract Mining Company, Danville, Vermilion County, fell from incline track and killed. Deceased's duty was to pull loaded cars up an incline to the tippie and dump them for use at the brick yard. On this day while dumping a car, it is supposed he fell to the ground, a distance of nine feet. He was dead when found later by an employee. He leaves a widow.

January 27, 1917, Elmer Dyer, machine runner, age 35 years, married, was killed by falling coal in Peabody Coal Company's mine, No. 21, Stonington, Christian County. He leaves a widow and one child.

March 5, 1917, John Woodard, miner, age 37 years, single, was killed by a fall of rock in the mine of the Woodard Coal Company, Oakwood, Vermilion County. He leaves one dependent, his mother.

March 15, 1917, Henry Clerick, trip rider, age 22 years, single, was killed by pit cars, in Peabody Coal Company's No. 8 mine, Kincaid, Christian County.

April 9, 1917, Thomas M. Burke, miner, age 35 years, married, was killed by falling coal in Penwell Coal Company's mine, Pana, Christian County. He leaves a widow and two children.

April 23, 1917, Virgil Elliott, driver, age 18 years, single, was killed by pit cars in United Fuel Company's mine, Danville, Vermillion County.

April 28, 1917, James White, cager, age 34 years, single, fell off the cage in Peabody Coal Company's No. 21 mine, Stonington, Christian County, and was killed.

June 1, 1917, Charles Scott, miner, age 65 years, married, was killed by falling coal in Penwell Coal Company's mine, Pana, Christian County. He leaves a widow and four children.

June 1, 1917, Tony Cambrozia, machine runner, age 32 years, single, was killed in Peabody Coal Company's No. 7 mine, Kincaid, Christian County, by falling slate.

Respectfully submitted,

JOSEPH HASKINS,
Inspector, Catlin, Illinois.

FATAL CASUALTIES, FIFTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
July 16	Valentino Florendo.....	34	Miner.....	Westville.....	1	1				Falling rock.
Aug. 25	Louis Venzon.....	32	Loader.....	Kincaid.....	1		1	5	6	Shot explosion.
Oct. 9	Peter Fosatti.....	42	Machine runner	Westville.....		1				Pit car.
10	Dimetro Bonacorsi.....	29	Driver.....	do.....		1				Pit car.
Nov. 25	Frew Gelonek.....	62	Miner.....	Decatur.....	1		1	3	1	Falling rock.
Dec. 14	Thos. Raymond.....	33	Loader.....	Kincaid.....		1			1	Shot explosion.
22	Miro Ambrosia.....	32	do.....	Tovey.....		1				Falling coal.
1917										
Jan. 15	Charles Taylor.....	54	Engineer.....	Danville.....	1	1			1	Fell off incline track.
27	Elmer Dyer.....	35	Machine runner	Stonington.....	1		1	1	2	Falling coal.
Mar. 5	John Woodard.....	37	Miner.....	Fairmount.....		1			1	Falling rock.
15	Henry Clerick.....	22	Trip rider.....	Kincaid.....		1				Pit car.
Apr. 9	Thomas M. Burke.....	35	Miner.....	Pana.....	1		1	1	2	Falling coal.
23	Virgil Elliott.....	18	Driver.....	Westville.....		1				Pit car.
28	James White.....	34	Cager.....	Stonington.....		1			1	Fell off cage.
June 1	Charles Scott.....	65	Miner.....	Pana.....	1		1	4	1	Falling coal.
1	Tony Cambrozia.....	32	Machine runner	Kincaid.....		1				Falling slate.
	Total.....				6	10	6	14	16	

RECAPITULATION OF FATAL ACCIDENTS, FIFTH DISTRICT, 1917.

Residence.	No	Occupation.	No.	Cause of accident.	No.	Colliery.	No
Danville.....	1	Cager.....	1	Falling coal.....	4	Contract Mining Co.....	1
Decatur.....	1	Drivers.....	2	Falling rock.....	3	Decatur Coal Co.....	1
Fairmount.....	1	Engineer.....	1	Falling slate.....	1	Peabody Coal Co.....	8
Kincaid.....	4	Loaders.....	3	Fell off cage.....	1	Penwell Coal Co.....	2
Pana.....	2	Machine runners.....	3	Fell off incline track	1	United States Fuel Co.....	3
Stonington.....	2	Miners.....	5	Pit cars.....	4	Woodard Coal Co.....	1
Tovey.....	1	Trip rider.....	1	Shot explosion.....	2		
Westville.....	4						
Total.....	16		16		16		16

NONFATAL CASUALTIES, FIFTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July	1 Robert Mackey.....	42	Lovington.....	1		1	2	Leg broken, falling coal.....	125
	1 Chris Campbell.....	60	Westville.....	1		1	2	Ankle injured, motor.....	44
12	1 Jno. L. Callais.....	48	Danville.....	1		3	4	Leg broken, falling rock.....	174
19	19 Fernin Gerin.....	50	Westville.....	1		1	2	do.....	187
30	30 Geo. Grugan.....	38	Nokomis.....	1			1	Body injured, gas explosion.....	62
Aug.	1 Newton Cabbage.....	36	Danville.....	1		1	2	Leg broken, struck by jack pipe.....	121
	4 George Weigler.....	29	Bluemound.....	1		4	5	Foot injured, latch.....	62
	7 Wm. Kindle.....	22	do.....	1				Foot broken, mo.or.....	140
	7 Wm. Rudan.....	60	Pana.....	1		3	4	Head injured, pit car.....	36
	8 William Davis.....	46	Danville.....	1			1	Finger injured, pit car.....	30
	9 Fred Petehe.....	29	Stonington.....	1				Leg injured, squeezed by mule.....	33
	18 Sam Grady.....	60	Assumption.....	1			1	Leg injured, falling rock.....	73
	23 Jno. Moore.....	36	Stonington.....	1		4	5	Body injured, lifting machine.....	31
	26 Lale Hogg.....	40	Moweaqua.....	1		2	3	Ankle injured, not stated.....	30
	28 Jacob Bruzetti.....	50	Westville.....	1		5	6	Rib broken, falling timber.....	48
	31 N O Green.....	45	Stonington.....	1				Hand injured, machine.....	30
Sept.	5 Joe Deynonski.....	26	do.....	1				Leg injured, falling coal.....	34
	9 John Blary.....	30	Georgetown.....	1		2	3	Toe broken, falling coal.....	35
	12 Guss Frichoff.....	67	Assumption.....	1		1	2	Foot injured, pit car.....	34
	18 Harry Shumaker.....	33	Oakwood.....	1		5	6	Ankle broken, pit car.....	65
	22 Seb. Marsiglio.....	24	Kincaid.....	1				Leg injured, falling coal.....	32
	28 Stanley Zurkes.....	35	Georgetown.....	1		3	4	Leg broken, falling rock.....	95
Oct.	3 Claude Elliott.....	20	Westville.....	1				Leg injured, pit car.....	36
	4 Geo. Midley.....	52	Assumption.....	1		10	11	Leg injured, falling coal.....	34
	6 John Perry.....	30	Taylorville.....	1			1	Foot injured, falling coal.....	38
	6 Charles Jowells.....	42	Westville.....	1				Arm broken, pit car.....	87
	10 Joe Pope.....	64	Danville.....	1		3	4	Collar bone broken, falling rock.....	120
	12 Tony Shriminski.....	32	Westville.....	1		1	2	Leg injured, cage dropped.....	123
	13 John Hiatt.....	35	Moweaqua.....	1				Leg injured, falling coal.....	103
	19 Ed. Talloria.....	28	Kincaid.....	1		4	5	do.....	32
	19 A. Pernot.....	40	Taylorville.....	1		8	9	Rib broken, fell down.....	130
	20 Frank Lamsine.....	29	Westville.....	1		2	3	Foot injured, falling rock.....	73
	20 Frank Wallace.....	40	do.....	1		4	5	Toe broken, falling coal.....	45
	23 Walter Serapinas.....	24	do.....	1				Finger injured, caught under rail.....	83
	23 Mike Mareno.....	54	Decatur.....	1		4	5	Foot broken, falling coal.....	*
	26 Chas. Borasch.....	45	do.....	1		3	4	Foot injured falling coal.....	38
	31 Carl Douglass.....	26	Georgetown.....	1				Leg broken, falling coal.....	69
Nov.	1 A. Penehus.....	40	Pana.....	1		2	3	Finger injured, not stated.....	32
	6 Arthur Hatties.....	21	do.....	1				Ankle injured, falling coal.....	30
	6 Peter Budris.....	34	Georgetown.....	1				Hand injured, falling rock.....	65
	6 Frank Gaita.....	30	Pawnee.....	1		3	4	Leg broken, falling rock.....	*
	8 John Neaton.....	20	Assumption.....	1				Eye injured, flying coal.....	75
	10 Frank Strayser.....	31	Georgetown.....	1		3	4	Head injured, falling coal.....	39
	13 Mose Mairraige.....	20	Bateswest.....	1				Finger cut off, pit car.....	30
	15 Stanley Mitkus.....	48	Westville.....	1		8	9	Shoulder injured, pit car.....	32
	16 Wm. Clark.....	46	do.....	1		2	3	Leg injured, machine.....	40
	17 Julius Benyger.....	65	Pana.....	1		3	4	Foot injured, falling coal.....	31
	18 Frank Petriak.....	47	Westville.....	1		8	8	Jaw broken, falling rock.....	45
	21 John Peters.....	52	Taylorville.....	1				Back injured, lifting coal.....	180
	22 Chas. James.....	40	Grape Creek.....	1			1	Wrist broken, ear door.....	35
	25 John Leitard.....	58	do.....	1		2	3	Leg injured, falling prop.....	50
	25 Lawrence Holcomb.....	20	Catlin.....	1				Shoulder injured, pit cars.....	36
	25 Wm. Erwin.....	27	Danville.....	1		2	3	Head injured, flying bar.....	50
	28 George Yuhos.....	19	Westville.....	1				Fingers injured, pit car.....	42
Dec.	2 Maris Domeninee.....	63	Westville.....	1		8	9	Shoulder broken, pit cars.....	72
	3 Terry Arterburn.....	40	Georgetown.....	1		2	3	Leg injured, motor.....	32
	4 C. Tietran.....	33	Taylorville.....	1		1	2	Foot injured, falling slate.....	32
	9 Mike Chantos.....	57	Georgetown.....	1		3	4	Eye injured, foreign substance.....	38
	12 Walter Sontalski.....	25	Decatur.....	1				Back injured, pit car.....	40
	19 Frank O'Tool.....	64	Hilliary.....	1		6	2	Leg broken, falling rock.....	180
	20 Thomas O'Day.....	54	Decatur.....	1			1	Leg broken, falling coal.....	87
	20 Isaac Jenkins.....	47	Westville.....	1		6	7	Leg broken, pit car.....	208
	21 August Bahun.....	44	do.....	1		3	4	Fingers cut off, falling rock.....	87
	22 R. W. Marshall.....	51	Taylorville.....	1			1	Finger injured, pit car.....	96
	24 Louis Verdonk.....	30	Assumption.....	1		2	3	Leg broken, pit car.....	*
	27 Alber Swanski.....	49	do.....	1		5	6	Hand injured, not stated.....	39
	28 Eugene Tibweski.....	24	Taylorville.....	1		2	3	Foot broken, falling coal.....	46
	30 Joe Jacobs.....	30	Danville.....	1			1	Foot broken, pit car.....	56
1917									
Jan.	1 George Haworth.....	57	Westville.....	1				Rib broken, pit car.....	30
	3 Peter Bartkas.....	38	do.....	1		4	5	Fingers injured, falling rock.....	32

NONFATAL CASUALTIES, FIFTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Jan.	3 C. Hackel.....	24	Lovington.....	1	1	2	3	Back injured, lifting coal.....	36
	5 James Oliver.....	56	Westville.....	1	1	3	4	Foot injured, falling rock.....	52
	7 John Barratto.....	19	Kincaid.....	1	1	1	1	Pelvis broken, pit cars.....	*
	11 Tony Shimkus.....	27	do.....	1	1	1	1	Leg broken, falling clod.....	*
	11 Joe Witkus.....	50	Westville.....	1	1	4	5	Leg broken, falling rock.....	250
	11 Elmer Carlyle.....	40	Decatur.....	1	1	1	2	Foot injured, falling coal.....	40
	16 Jos. Mikloutsch.....	24	Pana.....	1	1	1	1	Head injured, falling slate.....	169
	16 Harry Colberg.....	16	Danville.....	1	1	1	1	Foot injured, falling coal.....	90
	16 Chas Chrisman.....	33	Georgetown.....	1	1	3	4	Head injured, bursting steam pipe.....	43
	18 F. H. De Groat.....	30	Decatur.....	1	1	1	2	Arm injured, falling coal.....	30
	18 David Zick.....	63	Assumption.....	1	1	4	5	Foot injured, falling coal.....	99
	19 Art Dhermey.....	42	Stonington.....	1	1	4	1	Foot cut off, falling clod.....	*
	22 Mike Dranke.....	31	Westville.....	1	1	1	2	Collar bone broken, pit car.....	34
	24 Joe Sprague.....	52	Lovington.....	1	1	6	7	Body injured, falling coal.....	35
	24 Wm. Hawkins.....	42	Danville.....	1	1	1	1	Foot injured, pit car.....	42
	24 A. Dudish.....	50	Lovington.....	1	1	3	4	Foot injured, falling coal.....	35
	25 Wm. Crawford.....	33	Danville.....	1	1	1	1	Finger broken, pit car.....	30
	25 Z. W. Astling.....	36	Tovey.....	1	1	1	1	Body injured, falling coal.....	34
	27 C. Tolliver.....	45	Taylorville.....	1	1	5	1	Wrist injured, fell.....	40
	30 Louis Saloy.....	34	Westville.....	1	1	1	1	Finger broken, falling rock.....	44
	30 Joe Wesley.....	28	Taylorville.....	1	1	1	1	Foot injured, pit car.....	67
	31 Chas. Bennett.....	49	Danville.....	1	1	5	6	Leg broken, falling rock.....	105
Feb.	7 Ben Landers.....	22	Stonington.....	1	1	1	1	Fingers cut off, pit car.....	*
	9 George Powell.....	32	Westville.....	1	1	1	1	Ankle injured, falling coal.....	44
	9 Chas. Felgenhauer.....	30	do.....	1	1	1	2	Foot injured, falling bar.....	38
	9 John Giza.....	51	Pana.....	1	1	1	1	Body injured, falling slate.....	145
	12 Joe Bohanik.....	33	Westville.....	1	1	5	6	Rib broken, fell.....	51
	13 Earl Allen.....	23	Stonington.....	1	1	1	1	Wrist broken, pit car.....	40
	13 F. Heinsch.....	40	Lovington.....	1	1	4	5	Finger broken, falling coal.....	37
	13 Herchel Simms.....	47	Oakwood.....	1	1	4	5	Arm broken, pit car.....	53
	15 Ferdinand Mina.....	23	Westville.....	1	1	1	1	Leg injured, pushing car.....	35
	20 John Shaffer.....	39	do.....	1	1	3	4	Body injured, pushing car.....	84
	22 Eugene Lusebrink.....	18	Kincaid.....	1	1	1	1	Hand broken, pit car.....	75
	24 Theo. Morrell.....	50	Moweaqua.....	1	1	1	2	Arm injured, pit car.....	34
	24 John W. Bowen.....	29	Danville.....	1	1	2	3	Finger cut off, pit car.....	56
Mar.	27 G. O. Call.....	53	Pana.....	1	1	1	1	Collar bone broken, falling coal.....	110
	8 K. S. Williams.....	53	Georgetown.....	1	1	5	6	Rib broken, struck by crow bar.....	36
	8 John Haealla.....	50	Moweaqua.....	1	1	5	6	Hands burned, powder explosion.....	150
	10 Joe Valinehs.....	51	Westville.....	1	1	1	1	Body injured, falling rock.....	32
	10 B. Antonio.....	42	Taylorville.....	1	1	1	1	Foot injured, falling coal.....	60
	11 Chas. Armstrong.....	56	Georgetown.....	1	1	1	1	Body injured, falling rock.....	32
	13 Van Hunt.....	60	Pana.....	1	1	1	1	Body injured, falling coal.....	120
	13 G. W. Render.....	58	Danville.....	1	1	3	1	Leg injured, falling rock.....	150
	14 Geo. Baker.....	45	Pana.....	1	1	1	1	Wrist broken, pit car.....	33
	14 Louis Lecomt.....	40	Westville.....	1	1	5	6	Leg broken, pit cars.....	46
	17 Jess Stivers.....	33	Pana.....	1	1	1	1	Ribs broken, fell in sump.....	36
	19 Wm. Youkers.....	42	Stonington.....	1	1	4	4	Body injured, pit car.....	72
	19 Samuel Brock.....	62	Hilliary.....	1	1	1	1	Eye destroyed, flying coal.....	48
	19 John Sullivan.....	50	Danville.....	1	1	1	1	Eye injured, flying coal.....	75
	20 Joe Lutich.....	30	Westville.....	1	1	1	1	Leg broken, falling rock.....	48
	21 Angelo Pusto.....	40	do.....	1	1	1	1	Toe injured, pit car.....	41
	23 Andy Pelet.....	25	Pana.....	1	1	1	1	Toe broken, falling coal.....	36
	26 Chas. Gruber.....	38	Danville.....	1	1	4	5	Finger injured, struck by wire.....	33
	28 John Leitard, Jr.....	24	Grape Creek.....	1	1	1	1	Leg broken, falling rock.....	180
Apr.	6 John Naton.....	53	Pana.....	1	1	1	1	Ankle broken, falling coal.....	*
	7 Andy Finght.....	55	do.....	1	1	2	3	Body injured electric shock.....	33
	11 Chas. Maples.....	50	Stonington.....	1	1	6	1	Leg broken, falling clod.....	*
	13 Geo. Hansbrough.....	47	Westville.....	1	1	3	4	Leg broken, pit car.....	75
	13 R. E. Roberts.....	45	Moweaqua.....	1	1	1	1	Rib broken, not stated.....	30
	13 Chas. Lowe.....	53	Assumption.....	1	1	4	5	Foot injured, sprag fell.....	42
	14 Chas. Miller.....	45	do.....	1	1	1	1	Rib injured, falling coal.....	47
	20 Wm. Elliott.....	39	Westville.....	1	1	2	3	Finger broken, falling rock.....	30
	20 Frank Dulgnits.....	36	do.....	1	1	1	2	Leg broken, falling rock.....	72
	21 Dominich Cardonerva.....	48	do.....	1	1	2	3	Shoulder injured, lifting car.....	41
	24 Peter Stanevich.....	30	do.....	1	1	1	1	Rib broken, falling rock.....	51
	25 W. M. Crase.....	65	do.....	1	1	1	2	Body injured, pit car.....	83
May	28 Stanley Pzianski.....	50	do.....	1	1	1	1	Eye injured, flying coal.....	57
	1 Chas. Doggett.....	54	Catlin.....	1	1	8	9	Foot injured, pit cars.....	30
	4 Mike Kovacki.....	40	Westville.....	1	1	5	6	Leg broken, falling rock.....	58
	4 Stanley Pitarczik.....	36	do.....	1	1	1	1	Eye injured, flying coal.....	57

NONFATAL CASUALTIES, FIFTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
May 5	Aug. Moissen, Sr.	41	Stonington.	1		5	1	Body injured, pit ear.	42
6	Aug. Moissen, Jr.	19	do.	1			1	Finger cut off, car door.	41
6	Joe Dziabas.	29	Decatur.	1			1	Foot injured, falling rock.	30
8	Art Carmon.	23	Stonington.	1			1	Foot injured, pit ear.	33
8	Dominic Janshansky	21	Westville.	1			1	Arm broken, flying coal.	57
8	Wasco Mepec.	34	Kincaid.	1			1	Wrist injured, falling coal.	30
9	Tony Senavitis.	46	Westville.	1			1	Eye injured, foreign substance.	61
10	Fred Fleming.	27	Taylorville.	1			1	Collar bone broken, pit ear.	45
12	George Zanto.	59	Westville.	1			1	Body injured, falling rock.	48
18	Frank Dowiat.	50	do.	1			8	Finger broken, falling rock.	75
19	Peter Rosiny.	39	do.	1			6	Toe cut off, falling rock.	32
21	Jesse James.	52	Georgetown.	1		4	5	Finger injured, lifting ear.	35
22	John Frettek.	17	Taylorville.	1			1	Collar bone broken, lifting ear.	39
25	Andrew Venadsky.	32	Westville.	1		5	6	Eye injured, flying coal.	46
25	Julius Strocker.	67	Decatur.	1			1	Body injured, falling coal.	*
29	Wm. Kartner.	70	do.	1			1	Leg broken, falling coal.	*
31	Carlo Martino.	27	Kincaid.	1		2	3	Foot injured, falling coal.	49
June 1	Raphial Smith.	48	Danville.	1		4	5	Eye injured, flying coal.	40
6	John Girby.	43	Westville.	1		3	4	Hand broken, falling rock.	40
11	R. T. Riley.	46	Danville.	1		7	8	Back injured, lifting rock.	30
12	Tony Barnoski.	35	Westville.	1		2	3	Foot broken, falling rock.	39
14	George Watkins.	45	Danville.	1		3	4	Ankle broken, pit ear.	31
15	Emanuel Collen.	26	Westville.	1			1	Pelvis broken, falling rock.	76
22	Tony Yonzartis.	16	do.	1			1	Hand injured, falling rock.	40
23	Wm. Riminausky.	49	do.	1		2	3	Shoulder injured, falling timber.	33
26	Paul Grappi.	26	do.	1		4	5	Finger injured, pit ear.	36
26	Stanley Ross.	47	do.	1		3	4	Toe broken, falling coal.	30
27	Amos Hawkins.	56	Georgetown.	1		2	3	Toe broken, falling rock.	30
	Total.			119	49	331	419		

* Not returned to work July 1, 1917.

Number injured.	168	Time lost by men returned, days.	9,512
Number not returned to work.	11	Average days lost.	60.59
Number returned.	157		

RECAPITULATION OF NONFATAL ACCIDENTS, FIFTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Assumption.	9	Cager.	1	Bursting pipe.	1	Assumption Coal Co.	9
Batestown.	1	Carpenter.	1	Cage.	1	Danville Collieries Co.	1
Blue Mound.	2	Couplers.	4	Electric current.	1	Decatur Coal Co.	5
Catlin.	2	Drivers.	21	Falling elod.	3	Lovington C. M. Co.	5
Danville.	17	Engineer.	1	Falling coal.	37	Mfgs. & Con. C. Co.	5
Decatur.	9	Firemen.	2	Falling objects.	6	J. H. Mauck.	3
Georgetown.	12	Laborers.	21	Falling rock.	34	Missionfield M. Co.	4
Grape Creek.	3	Loaders.	6	Falling slate.	3	Moweaqua C. M. & Mfg. Co.	5
Hillary.	2	Machine helpers.	3	Fell.	4	Peabody Coal Co.	34
Kincaid.	7	Machine runners.	5	Flying coal.	8	Penwell Coal Co.	8
Lovington.	5	Miners.	95	Gas explosion.	2	Smith-Lohr Coal Co.	6
Moweaqua.	5	Motorman.	1	Lifting objects.	7	Spfld. Dist. C. M. Co.	10
Nokomis.	1	Timbermen.	4	Machine.	2	Two Rivers Coal Co.	4
Oakwood.	2	Trackman.	1	Motor.	3	United States Fuel Co.	67
Pana.	13	Trip riders.	2	Pit cars.	40	W. J. Watkins.	2
Pawnee.	1			Pushing car.	2		
Stonington.	12			Squeezed by mule.	1		
Taylorville.	11			Struck by objects.	16		
Tovey.	1			Not stated.	4		
Westville.	53						
Total.	168		168		168		168

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, FIFTH DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken ¹	2	1	1	3	4	31	31.00	1.19
Ankle injured.....	5	4	1	8	12	213	42.60	2.98
Arm broken.....	3	1	2	4	5	197	65.67	1.79
Arm injured.....	2	2	.....	2	4	64	32.00	1.19
Back injured.....	4	2	2	9	11	285	71.50	2.38
Body injured ¹	15	13	2	26	32	853	60.93	8.93
Collar bone broken.....	5	2	3	4	6	348	69.60	2.98
Eye destroyed.....	1	1	.....	.....	1	48	48.00	.59
Eye injured.....	8	3	5	12	15	449	56.13	4.76
Finger broken.....	5	4	1	13	17	216	43.20	2.98
Finger cut off ¹	5	2	3	5	7	214	53.50	2.98
Finger injured.....	9	10	2	18	25	413	45.89	5.36
Foot broken ¹	5	4	1	8	12	281	70.25	2.98
Foot cut off ¹	1	1	.....	4	1	.....	.....	.59
Foot injured.....	21	18	3	40	59	1,015	48.33	12.50
Hand broken.....	2	1	1	3	4	115	57.50	1.19
Hand injured.....	5	2	3	10	12	324	64.80	2.98
Head injured.....	5	4	1	11	15	337	66.20	2.98
Jaw broken.....	1	1	.....	8	8	45	45.00	.59
Leg broken ²	22	18	4	55	62	2,080	122.35	13.09
Leg injured.....	14	9	5	24	29	807	57.64	8.33
Pelvis broken ¹	2	1	1	.....	1	76	76.00	1.19
Rib broken.....	9	6	3	23	29	459	51.00	5.36
Shoulder broken.....	1	1	.....	8	9	105	105.00	.59
Shoulder injured.....	4	3	1	12	15	109	27.25	2.38
Toe broken.....	6	4	2	11	15	217	36.17	3.57
Toe cut off.....	1	1	.....	5	6	32	32.00	.59
Wrist broken.....	3	2	1	.....	2	108	36.00	1.79
Wrist injured.....	2	1	1	5	1	70	35.00	1.19
Total.....	168	119	49	331	419	9,512	60.59	100.00

¹ One not returned to work.² Five not returned to work.

CHRISTIAN COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Peabody Coal Co., No. 7.....	Kincaid.....	734,733	728,974	.....	.....	3,914	1,845
2	Peabody Coal Co., No. 8.....	do.....	564,311	559,182	.....	.....	3,417	1,712
3	Peabody Coal Co., No. 21.....	Stonington.....	448,248	143,275	.....	286,258	9,049	9,666
4	Spfld. Dist. C. M. Co., No. 8.....	Taylorville.....	315,854	121,612	3,689	144,685	33,742	12,126
5	Penwell Coal Mining Co.....	Pana.....	282,521	228,897	23,935	.....	16,886	12,803
6	Smith Lohr Coal Mining Co.....	do.....	271,687	232,311	.....	.....	10,285	29,091
7	Pana Coal Co., No. 1.....	do.....	123,005	.....	.....	118,544	1,348	3,113
8	Assumption Coal & Mining Co.	Assumption.....	70,170	53,259	.....	.....	10,429	6,482
9	Greenwood Coal Co.....	Edinburg.....	11,638	3,000	.....	.....	7,538	1,100
Total—9 mines.....			2,822,167	2,070,510	27,624	549,487	96,608	77,938

Mines in 1916, 8. New mines, 1. Mines in 1917, 9.

MACON COUNTY,

SHIPPING MINES.								
1	Mfgs. & Consumers Coal Co....	Decatur.....	180,105	69,536	.....	.....	101,198	9,371
2	Decatur Coal Co., No. 2.....	do.....	73,937	21,940	.....	.....	48,347	3,650
3	Niantic Mining Co.....	Niantic.....	4,962	3,951	.....	.....	602	409
Total—3 mines.....			259,004	95,427	.....	.....	150,147	13,430

Mines in 1916; 2. New mines, 1. Mines in 1917, 3.

MOULTRIE COUNTY,

SHIPPING MINES.								
1	Lovington C. M. Co., No. 1...	Lovington...	239,818	224,517	.....	.....	6,183	9,118

Mines in 1916, 1. Mines in 1917, 1.

SHELBY COUNTY,

SHIPPING MINES.								
1	Moweaqua Coal Mining & Mfg. Co., No. 1.....	Moweaqua.....	83,908	66,085	.....	.....	11,281	6,542
2	Tower Hill Coal Co., No. 1....	Tower Hill....	5,124	3,511	.....	.....	346	1,267
Total.....			89,032	69,596	.....	.....	11,627	7,809
LOCAL MINES.								
1	Wm. Baum Coal Co., No. 4....	Shelbyville....	2,300	.....	.....	.....	2,000	300
2	Wm. Baum Coal Co., No. 6....	do.....	2,200	.....	.....	.....	2,200	.....
3	John O'Brein.....	do.....	1,300	.....	.....	.....	1,300	.....
4	A. W. Smith.....	do.....	850	.....	.....	.....	800	50
Total.....			6,650	.....	.....	.....	6,300	350
Total—6 mines.....			95,682	69,596	.....	.....	17,927	8,159

Mines in 1916, 5. New mines, 2. Abandoned mines, 1. Mines in 1917, 6.

FIFTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.			Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
8,888		2	2	246	562		734,733	29	3	8	10	6				1
8,386		1	2	252	411		564,311	41	2	1	10	2				2
3,021		1	4	271	372		448,248	13	2	15	3	24				3
12,926		1	1	188	315	315,854				10	2	19				4
3,030		1	2	198	279	282,521			2	8	3	16				5
2,643		2	3	256	316	271,687				6	2	16	1	1,000	151,575	6
1,200		1	3	161	300	123,005				2	2	11				7
108	1,675	2	3	241	148	35,788	34,382	3		9	2	16				8
581		2	2	187	17	11,638						3				9
40,788	1,675	11	21	222	2,750	1,040,493	1,781,674	86	9	57	34	113	1	1,000	151,575	

FIFTH DISTRICT, 1917.

.....		2	2	282	233	180,105				5		29				1
.....	200	1	2	200	169	73,937			1	5		30				2
337		1	2	41	60	4,962						5				3
337	200	4	6	174	462	259,004			1	10		64				

FIFTH DISTRICT, 1917.

1,545		2		258	200	239,818				5	1	16				1
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FIFTH DISTRICT, 1917.

1,325		1	1	173	108		83,908	8		5	1	8				1
91		1	1	100	71	5,124						8				2
1,416		2	2	137	179	5,124	83,908	8		5	1	16				
.....			1	300	12	2,300										1
.....			1	200	11	2,200										2
.....			1	150	7	1,300										3
.....			1	185	6	850										4
.....			4	200	36	6,650										
1,416		2	6	185	215	11,774	83,908	8		5	1	16				

VERMILION COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	United States Fuel Co., Verm.	Westville	877,920	509,630		348,628	6,950	12,712
2	United States Fuel Co., No. 4.	do	739,937	721,840		5,382	2,390	10,325
3	Peabody Coal Co., No. 24.	do	431,979	425,937			643	5,399
4	United States Fuel Co., No. 3.	do	305,820	5,620		281,732	11,318	7,150
5	Missionfield Coal Co., No. 2.	Oakwood	169,268	66,688	1,020	101,560		
6	Two Rivers Coal Co., No. 4.	Danville	159,373	109,992		47,811		1,570
7	Missionfield Coal Co., No. 3.	Oakwood	143,855	57,542		86,313		
8	Carbon Hill Coal Co., No. 5.	Danville	143,439	140,000		1,759		1,680
9	Sharon Coal & Brick Co., No. 1	Georgetown	66,578	52,580			11,868	2,130
10	Danville Collieries Co.	Catlin	51,988	42,795		3,395	578	5,220
11	United States F. Co., Bunsen.	Westville	29,796	28,040			126	1,630
12	Ohio Fuel Co.	Grape Creek	16,448	16,448				
13	Brady Branch Coal Co.	Danville	650	650				
Total			3,137,051	2,177,762	1,020	876,580	33,873	47,816
LOCAL MINES.								
1	Contract Mining Co.	Danville	83,589				83,539	50
2	A. B. Mauck	do	18,481				18,000	481
3	W. J. Watkins	do	10,965				10,965	
4	J. H. Mauck	do	9,900				9,900	
5	Frank Woodard	Oakwood	8,000				7,790	210
6	W. F. Crawford	Collison	4,850				4,800	50
7	Lloyd Hawkins	Georgetown	4,500				4,400	100
8	P. J. Ogden & Son	Danville	3,572				3,572	
9	Frank Holmgren	Catlin	3,429				3,129	300
10	Fairmount Coal Co.	Fairmount	2,800				2,800	
11	Geo. A. Miller	Danville	2,500				2,500	
12	Lorenzo B Iduchi	Fairmount	2,277				2,237	40
13	Coxon Bros	Grape Creek	1,900				1,800	100
14	Jones Bros	Danville	1,550				1,550	
15	John T. James	Grape Creek	1,225				1,225	
16	S. M. Hodge & Son	Danville	1,050				1,025	25
17	Mons Olson	Grape Creek	750				750	
18	F. L. Branaman	Danville	575				575	
19	Reffett & Brant	Grape Creek	350				350	
20	William J. Parson	Danville	105				91	14
Total			162,368				160,998	1,370
Total—33 mines			3,299,419	2,177,762	1,020	876,580	194,871	49,186

Mines in 1916, 37. New mines, 9. Abandoned mines, 13. Mines in 1917, 33.

FIFTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Acci- dents.		Number of motors in use.		Number of animals under- ground.		Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.	Number of motors in use.	Number of animals under- ground.	Number in use.	Average daily capacity.	Tons prepared dur- ing the year.		
20,241	1	263	793	251,974	625,946	22	2	39	4	39							1
27,036	1	261	748	739,937			1	17	4	34							2
13,229	1	263	366	211,046	220,933	8	1	10	3	29							3
5,180	1	205	362	55,767	250,953	11		9	2	20							4
4,200	1	276	150	16,000	153,268	4		3	1	8							5
1,200		293	78	159,373				4									6
3,600	2	278	135	28,700	115,155	4		1	1	8							7
270		240	65	143,439													8
2,485	3	265	93	66,578						5							9
2,636	1	290	100	51,988				1	1	8							10
1,509	1	155	93	29,796				2		4							11
		54	43	16,448													12
30		35	13		650	1											13
81,646	12	219	3,039	1,771,046	1,366,005	50	4	86	16	152							
2,400	1	300	62	83,589				1									1
281	1	260	12		18,481	1											2
423	1	275	17	10,965													3
400		180	13	9,900					2								4
	1	175	9	8,000				1									5
100	1	200	12	4,850													6
		240	6	4,500													7
153		220	7	3,572													8
165		235	6	3,429													9
	2	70	12	2,800													10
100		200	3	2,500													11
125		220	6	2,277													12
70		125	8	1,900													13
84		200	4	1,550													14
37		160	3	1,225													15
30	1	190	3	1,050													16
35		130	4	750													17
15		250	3	575													18
21		100	2	350													19
19		82	1	105													20
4,460	8	191	193	143,887	18,481	1	2	5									
86,106	20	202	3,232	1,914,933	1,384,483	51	6	91	16	152							

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.				Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.	
1	Christian.....	9	2,822,167	2,070,510	27,624	549,487	96,608	77,938	40,786
2	Macon.....	3	259,004	95,427	.....	.....	150,147	13,430	337
3	Moultrie.....	1	239,818	224,517	.....	.....	6,183	9,118	1,545
4	Shelby.....	2	89,032	69,596	.....	.....	11,627	7,809	1,416
5	Vermilion.....	13	3,137,051	2,177,762	1,020	876,580	33,873	47,816	81,646
	Total.....	28	6,547,072	4,637,812	28,644	1,426,067	298,438	156,111	125,730
									1,875

LOCAL MINES, RECAPITULATION BY

1	Shelby.....	4	6,650	.....	.....	.....	6,300	350	.....
2	Vermilion.....	20	162,368	.....	.....	.....	160,998	1,370	4,460
	Total.....	24	169,018	.....	.....	.....	167,298	1,720	4,460
	The district	52	6,716,090	4,637,812	28,644	1,426,067	465,736	157,831	130,190
									1,875

ALL MINES, RECAPITULATION BY

1	Christian.....	9	2,822,167	2,070,510	27,624	549,487	96,608	77,938	40,786	1,675
2	Mason.....	3	259,004	95,427	.....	.....	150,147	13,430	337	200
3	Moultrie.....	1	239,818	224,517	.....	.....	6,183	9,118	1,545	.....
4	Shelby.....	6	95,682	69,596	.....	.....	17,927	8,159	1,416	.....
5	Vermilion.....	33	3,299,419	2,177,762	1,020	876,580	194,871	49,186	86,106	.....
	Total.....	52	6,716,090	4,637,812	28,644	1,426,067	465,736	157,831	130,190	1,875

Whole number of mines reported for 1916, 53.

Number of new and reopened mines during the year, 13.

Number of mines abandoned during the year, 14.

Whole number of mines reported for 1917, 52.

COUNTIES, FIFTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
222	2,750	1,040,493	1,781,674	86	9	57	34	113	1	1,000	151,575	1
174	462	259,004	.....	.....	1	10	.....	64	.....	.....	.....	2
258	200	239,818	.....	.....	.....	5	1	16	.....	.....	.....	3
137	179	5,124	83,908	8	.....	5	1	16	.....	.....	.....	4
219	3,039	1,771,046	1,366,005	50	4	86	16	152	.....	.....	.....	5
211	6,630	3,315,485	3,231,587	144	14	163	52	361	1	1,000	151,575	

COUNTIES, FIFTH DISTRICT, 1917.

209	36	6,650	2
191	193	143,887	18,481	1	2	5	.....	.....	.....	.....	.....
194	229	150,537	18,481	1	2	5	.....	.....	.....	.....	.....
203	6,859	3,466,022	3,250,068	145	16	168	52	.....	.....	.....	.....

COUNTIES, FIFTH DISTRICT, 1917.

222	2,750	1,040,493	1,781,674	86	9	57	34	113	.....	.....	.....	1
174	462	259,004	.....	.....	1	10	.....	64	.....	.....	.....	2
258	200	239,818	.....	.....	.....	5	1	16	.....	.....	.....	3
183	215	11,774	83,908	8	.....	5	1	16	.....	.....	.....	4
201	3,232	1,914,933	1,384,486	51	6	91	16	152	.....	.....	.....	5
203	6,859	3,466,022	3,250,068	145	16	168	52	361	.....	.....	.....

SIXTH INSPECTION DISTRICT.

COUNTIES—LOGAN, McLEAN AND SANGAMON. ROBERT REAVLEY, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Sixth District, comprising the coal producing counties of Logan, McLean and Sangamon.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	3
Number of shipping mines.....	31
Number of local mines.....	3
Number of new or reopened mines.....	4
Number of closed or abandoned mines.....	1
Number of men underground.....	6,809
Number of boys underground.....	178
Number of boys outside the mine.....	7
Number of men outside the mine.....	607
Total number of employees.....	7,601
Total tons of coal produced.....	7,634,571
Days of active operation, all mines.....	231
Kegs of powder used for blasting coal.....	338,035
Number of fatal accidents.....	16
Number of nonfatal accidents.....	119
Number of employees to each fatal accident.....	475
Number of employees to each nonfatal accident.....	64
Tons of coal produced to each fatal accident.....	477,161
Tons of coal produced to each nonfatal accident.....	64,156
Ratio of fatal accidents per 1,000 employees.....	2.1

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Logan.....	596,511	249	673	401,460	174	624	195,051	75	49	...	...	...
McLean.....	89,412	239	166	83,775	254	183	5,637	...	...	...	15	17
Sangamon.....	6,948,648	229	6,762	4,869,981	170	6,754	2,078,667	59	8	...	...	...
Total and average	7,634,571	231	7,601	5,355,216	179	7,561	2,279,355	...	57	...	...	17
Net.....								52	40	...	...	...

NEW MINES.

The following mines have been reopened:

Citizens Coal Mining Co. "A," Springfield; Athens-Dawson Coal Co., Dawson; Cantrall Coal Co., Cantrall; Sangamon County Mining Company, Springfield.

One mine, Williamson and Denny, Barclay, has been abandoned.

FATAL ACCIDENTS.

September 7, 1916, Fred Deifenback, shot firer, age 52 years, married, was killed by a shot explosion in the West End Coal Company's mine, Springfield, Sangamon County. He leaves a widow and four children.

October 25, 1916, John Schiebner, operator, age 72 years, single, was killed by a coal conveyor, in Springfield Cooperative Coal Company's mine, Springfield, Sangamon County.

November 12, 1916, John Yost, miner, age 51 years, married, was killed by a shot explosion in Wilcoxon Coal Company's mine, Springfield, Sangamon County. He leaves a widow and four children.

November 16, 1916, John Taylor, shot firer, age 43 years, married, employed by the Lincoln Mining Company, Lincoln, Logan County, was killed by flying coal. He leaves a widow and four children.

December 8, 1916, Charles Patteccabbage, miner, age 68 years, married, was killed by falling slate in Springfield District Coal Mining Company's No. 4 mine, Auburn, Sangamon County. He leaves a widow and five children.

December 12, 1916, John Slekas, driver, age 30 years, married, was killed by pit cars in Madison Coal Corporation's No. 6 mine, Divernon, Sangamon County. He leaves a widow.

January 8, 1917, Andrew Gerowitch, laborer, age 18 years, single, was killed by a motor, in mine No. 3 Springfield District Coal Company, Springfield, Sangamon County. Deceased was riding on front end of motor and jumped off to turn the switch; he fell in front of the motor and was crushed to death.

January 21, 1917, George Young, shot firer, age 41 years, married, and Frank Young, his brother, shot firer, age 44 years, married, employees of the Springfield District Coal Company at mine No. 7, Springfield, Sangamon County, died from injuries received the previous day. The brothers fired three "dead holes" in the main east entry, causing an explosion which resulted in their death. George leaves a widow and Frank leaves a widow and one child.

January 27, 1917, Albert Steinberg, driver, age 17 years, single, was killed by pit cars in Jones and Adams Coal Company's mine, Springfield, Sangamon County.

March 31, 1917, James Arthur, miner, age 65 years, married, employed in Lincoln Coal Mining Company's mine, Lincoln, Logan County, was walking out after his days work was done and stepped out of the way of an empty trip and in front of loaded cars, which knocked him down, causing his death. He leaves a widow and three children.

May 9, 1917, John Krause, timberman, age 46 years, married, was killed by falling slate in Lincoln Mining Company's mine, Lincoln, Logan County. He leaves a widow and five children.

May 12, 1917, Charles Poffenbach, cager, age 32 years, married, was killed in Springfield District Coal Mining Company's No. 5 mine, Springfield, Sangamon County. Deceased was putting a car of coal on the cage when a piece of coal fell down the shaft, striking him on the head crushing his skull. He leaves a widow and one child.

May 20, 1917, Herbert Hunt, timberman, age 40 years, married, was killed by a falling prop in Wilcoxon Coal & Coke Company's mine, Springfield, Sangamon County.

May 22, 1917, William W. Scott, laborer, age 67 years, married, was killed at Cantrall Coal Company's mine, Cantrall, Sangamon County. Deceased was helping push a car of dirt on tram road to dirt dump. The

boards were slippery from the recent rain and in trying to check the car his feet slipped and he fell about 25 feet to the ground. He leaves a widow and four children, two dependents.

June 30, 1917, Charles Mowry, driver, age 30 years, single, was crushed between side of cage and timbers while being hoisted out of the Latham Mining Company's mine, Lincoln, Logan County. He leaves one dependent.

Respectfully submitted,

ROBERT REAVLEY,
Inspector. Riverton, Illinois.

FATAL CASUALTIES, SIXTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
Sept. 7	Fred Deifenback	52	Shot firer	Springfield	1	1	4	1		Shot explosion.
Oct. 25	John Schiebner	72	Operator	do.	1					Coal conveyer.
Nov. 12	John Yost	51	Miner	do.	1	1	4	5		Shot explosion.
16	John Taylor	43	Shot firer	Lincoln	1	1	4	5		Flying coal.
Dec. 8	Chas. Pattecabage	68	Miner	Auburn	1	1	5	3		Falling slate.
12	John Slekas	30	Driver	Divernon	1	1		1		Pit car.
1917										
Jan. 8	Andrew Gerowitch	18	Laborer	Springfield	1	1				Motor.
21	George Young	41	Shot firer	do.	1	1		1		Shot explosion.
21	Frank Young	44	do.	do.	1	1	1	2		Shot explosion.
27	Albert Steinberg	17	Driver	do.	1	1		2		Pit car.
Mar. 31	James Arthur	65	Miner	Lincoln	1	1	3	2		Pit cars.
May 9	John Kraus	46	Timberman	do.	1	1	5	6		Falling slate.
12	Charles Poffenbach	32	Cager	Springfield	1	1	1	2		Coal fell down shaft.
29	Herbert Hunt	40	Timberman	do.	1	1	3	4		Falling prop.
22	William W. Scott	67	Laborer	Cantrall	1	1	4	2		Fell off tram road.
June 30	Charles Mowry	30	Driver	Lincoln	1	1		1		Cage.
	Total				12	4	12	34	37	

RECAPITULATION OF FATAL ACCIDENTS, SIXTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Auburn	1	Cager	1	Cage	1	Cantral Coal Co.	1
Cantrall	1	Drivers	3	Coal conveyer	1	Jones & Adams Coal Co.	1
Divernon	1	Laborers	2	Coal fell down shaft	1	Latham Coal M. Co.	1
Lincoln	4	Miners	3	Falling prop.	1	Lincoln Mining Co.	3
Springfield	9	Operator	1	Falling slate	2	Madison Coal Corp.	1
		Shot firers	4	Fell off tram road	1	Springfield Coop. C. Co.	1
		Timbermen	2	Flying coal	1	Springfield D. C. M. Co.	5
				Pit cars	3	West End Coal Co.	1
				Motor	1	Wilcoxon Coal Co.	2
				Shot explosion	4		
Total	16		16		16		16

NONFATAL CASUALTIES, SIXTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married. Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost— days.
1916								
July	16 Peter Cromm, Sr.	55	Lincoln	1		1	Body burned, gas explosion.	70
	16 Thomas Emerson	45	Thayer	1	4	4	Leg injured, cage.	120
	16 Frank Temple	49	Virden	1	4	5	Body injured, falling coal.	100
	16 Morris Cromm	24	Lincoln	1			Body burned, gas explosion.	45
Aug.	11 Harry Dunham	28	Springfield	1			Pelvis broken, not stated.	114
	29 A. Sylvester	32	Riverton	1	5	6	Head injured, pit car.	38
	21 Fred Fraeger	18	Lincoln	1			Ankle broken, pit car.	*
	25 John Ploutch	48	Lincoln	1	12	7	Back injured, falling coal.	*
	31 Alex Galant	48	Springfield	1	6		Arm broken, falling slate.	56
Sept	2 Louis DeBattista	28	Sherman	1			Eye injured, foreign substance.	32
	5 Wm. Leggett	30	Divernon	1			Head injured, falling coal.	39
	6 J. J. Durkin	46	Springfield	1	9	6	Hand injured, lifting coal.	30
	13 J. Butler	40	Lincoln	1			Foot injured, not stated.	35
	13 J. Stanfil	30	Springfield	1	3	4	Wrist broken, falling coal.	112
	21 Sante DuBattiste	23	Sherman	1			Eye injured, foreign substance.	30
	21 J. S. Feecho	50	Virden	1		1	Foot broken, falling rail.	31
	25 Frank McGlenmon	29	Springfield	1			Hand injured, not stated.	33
	29 Robert Dawson	56	Virden	1		1	Leg broken, falling coal.	132
Oct.	2 J. F. Baugh	63	Dawson	1	1	2	Leg broken, falling rock.	58
	10 Ted Seonatis	34	Springfield	1			Body injured, falling slate.	60
	10 P. Gilmore, Jr.	30	do.	1			Foot broken, pit car.	214
	19 Martin Kodrich	35	do.	1			Head injured, falling slate.	30
	21 Geo. Birnbaum	35	do.	1			Leg injured, lifting coal.	*
	24 Frank Sikius	23	do.	1	4	5	Foot injured, falling rock.	30
Nov.	2 Joe Burear	29	do.	1			Foot injured, not stated.	84
	8 A. Vespa	33	Riverton	1	4	5	Eye injured, foreign substance.	53
	14 M. Mariana	31	Springfield	1	5	6	Body injured, falling slate.	47
	14 B. Parish	20	Virden	1			Finger cut off, sprag.	*
	15 Albert Ketchum	67	Springfield	1			Body injured, falling coal.	38
	15 Tony Maske	42	do.	1	4	5	Leg injured, falling slate.	*
Dec.	20 Adolph Gaimard	39	Auburn	1	4	5	Body injured, falling coal.	100
	22 Pete Prehoda	30	Springfield	1	1	1	Ankle injured, lifting car.	64
	8 Leo Weaver	20	do.	1			Body injured, lifting weight.	62
	8 Alex Taylor	50	do.	1			Finger cut off, pit car.	40
	9 Frank Shomide	55	do.	1	2	3	Body injured, falling slate.	90
	9 E. Giganti	40	do.	1	6	7	Leg injured, falling coal.	50
	9 John Promisson	22	do.	1			Hand broken, pit car.	37
	11 Terry Ford	20	do.	1			Finger broken, pit car.	43
	12 Wm. Gurshl	30	do.	1		1	Body injured, pit car.	36
	13 Dan McGill	21	do.	1			Rib broken, kicked by mule.	166
	16 Victor Mathias	42	Virden	1	5	6	Finger broken, machine.	40
	18 I. N. Spainhower	62	Springfield	1	1	1	Foot injured, falling rock.	48
	21 John Storchus	do.	do.	1			Body injured, not stated.	49
	22 T. Piekrifts	40	Riverton	1	6	7	Leg injured, falling coal.	31
1917								
Jan.	4 Charles Jacobs	25	Lincoln	1			Foot injured, falling slate.	35
	4 Lawrence Jones	28	do.	1		1	Arm broken, pit car.	40
	6 Steve Lunich	29	Springfield	1		1	Finger cut off, not stated.	74
	8 Wm. Wasmith	67	do.	1			Eye destroyed, not stated.	50
	9 R. Klein, Jr.	25	Divernon	1			Leg broken, falling coal.	*
	12 James Cole	25	Auburn	1			Finger cut off, pit car.	81
	13 J. Jacobs	26	Riverton	1			Leg injured, pit car.	30
	15 Richard Drennan	37	Auburn	1	2	3	Eye injured, flying coal.	30
	16 Joe Sanks	20	Springfield	1			Foot injured, pit car.	33
	20 Fred Rathbone	26	do.	1			Finger cut off, pit car.	38
	24 Ed. Akiness	45	Virden	1			Finger broken, pit car.	55
	26 John Keeley	29	Springfield	1			Arm injured, kicked by mule.	43
	27 John Edwards	47	Divernon	1			Fingers cut off, pit car.	*
	Louis Daravac	31	Springfield	1			Back injured, falling slate.	81
Feb.	1 James Herron	24	do.	1			Body injured, pit car.	43
	3 Gabe Ford	62	do.	1		1	do.	*
	6 Therren Marshall	16	West Frankfort	1			Finger injured, pit car.	32
	6 George Kaloski	45	Lincoln	1		1	Foot injured, falling slate.	35
	10 John Yachaback	45	do.	1		1	do.	30
	16 Simon Kelley	40	Springfield	1			Foot injured, pit car.	30
	18 C. Gaut	20	Riverton	1			Toe injured, pit car.	40
	19 P. Camille	35	do.	1	5	6	Shoulder injured, falling slate.	70
	19 Frank Howard	33	Springfield	1	4	5	Arm injured, lifting weight.	34
	20 F. Beekman	40	do.	1	2	3	Back injured, pit car.	40
	20 Wm. Squires	19	Divernon	1			Body injured, pit cars.	44
	22 George Roy	50	Springfield	1		1	Foot injured, not stated.	115

NONFATAL CASUALTIES, SIXTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Feb. 24	James Dacey.....	18	Springfield.....	1	1			Back injured, not stated.....	*
26	Wm. Clouser.....	50	do.....	1	1	3	4	Shoulder injured, pit ear.....	37
Mar. 1	Mike Barra, Jr.....	18	Thayer.....	1	1			Leg broken, pit ear.....	104
3	F. Accordi.....	30	Springfield.....	1	1		1	Body injured, not stated.....	73
6	Miles Scott.....	50	Divernon.....	1	1			Leg injured, falling slate.....	*
10	Wm. Bohles.....	25	Springfield.....	1	1			Finger cut off, not stated.....	53
10	Nathan Watson.....	48	do.....	1	1	2	3	Ankle injured, not stated.....	40
11	R. Young.....	35	Riverton.....	1	1	2	3	Back injured, lifting ear.....	109
12	C. J. Lemasters.....	32	Springfield.....	1	1	3	4	Body injured, falling slate.....	109
14	Joe Polack.....	29	Thayer.....	1	1			Fingers broken, sprag.....	48
14	Frank Guriski.....	59	Divernon.....	1	1	4	5	Leg broken, falling rock.....	*
23	Wesley Snolson.....	35	Springfield.....	1	1			Finger injured, setting prop.....	30
30	Irwin Dilks.....	35	do.....	1	1	2	3	Shoulders injured, not stated.....	90
Apr. 6	Archie Allen.....	50	do.....	1	1		1	Back injured, not stated.....	50
9	Joe Castagna.....	33	Thayer.....	1	1	1	2	Back injured, falling slate.....	70
9	George Watson.....	24	do.....	1	1		1	Body burned, gas explosion.....	70
10	T. Trespenskey.....	40	Springfield.....	1	1		1	Collar bone broken, falling slate.....	80
13	Aug. Dubois.....		Auburn.....	1	1			Back injured, falling coal.....	41
13	Tony Myers.....	34	Springfield.....	1	1			Hand injured, pit ear.....	87
14	John Watts.....	45	Divernon.....	1	1			Leg injured, falling slate.....	*
20	L. Donado.....		Springfield.....	1	1			Leg injured, not stated.....	39
21	John Zgaga.....	37	do.....	1	1	4	5	Back injured, falling slate.....	75
26	Tony Petrovich.....	24	Divernon.....	1	1			Pelvis broken, pit ear.....	59
28	Edward Ford.....	42	Pawnee.....	1	1	3	4	Back injured, falling coal.....	*
28	Richard Flaherty.....	34	do.....	1	1	2	3	do.....	*
30	John Skaisger.....	39	Divernon.....	1	1	3	4	Body injured, lifting weight.....	40
May 1	Otto Hedrick.....	25	Springfield.....	1	1		1	Body injured, railroad cars.....	48
2	George Arnet.....	38	Colfax.....	1	1	6	8	Hand injured, falling coal.....	30
4	Joe Logan.....	33	Springfield.....	1	1	2	3	Body injured, lifting weight.....	66
11	Tony Butkis.....	40	Auburn.....	1	1			Foot broken, pit ear.....	*
12	T. H. DeGroat.....	25	Cantrall.....	1	1		1	Foot injured, pit ear.....	45
16	Frank Papkas.....	43	Springfield.....	1	1	5	6	Hand injured, falling slate.....	35
18	Charles Bohn.....	29	Springfield.....	1	1		1	Toe injured, stepped on nail.....	42
18	G. Murray.....	72	Riverton.....	1	1		1	Toe broken, falling coal.....	31
23	Louis Gallasi.....	43	Springfield.....	1	1	5	6	Leg broken, falling coal.....	37
25	James Wilson.....	22	Divernon.....	1	1			Finger injured, mule.....	31
29	Mat Bretz.....	42	Springfield.....	1	1			Hand injured, not stated.....	64
31	Thos. Linne.....	43	do.....	1	1	5	6	Head injured, fell off ear.....	37
June 4	James Latin.....	24	do.....	1	1			Wrist broken, not stated.....	*
6	Harry Hahee.....	28	do.....	1	1			Toe injured, falling slate.....	*
6	G. Ketinehki.....	35	Lincoln.....	1	1			Leg injured, pit ear.....	30
7	Thomas Monahan.....	39	Springfield.....	1	1	1	2	Leg broken, not stated.....	*
9	August Werner.....	35	do.....	1	1	2	3	Body injured, falling slate.....	30
12	Tony Pupkas.....	42	do.....	1	1			Wrist broken, not stated.....	76
12	Mike Horton.....	50	do.....	1	1		1	Eye injured, flying coal.....	60
18	Frank Sininella.....	30	do.....	1	1			Leg injured, pit ear.....	80
27	Oscar Charles.....	26	Auburn.....	1	1		1	Leg broken, kicked by mule.....	*
28	Walter Larus.....	16	Pawnee.....	1	1			Leg broken, pit ear.....	*
30	S. Kawala.....	38	Auburn.....	1	1	3	4	Shoulder injured, falling slate.....	*
	Total.....			63	56	157	208		

* Not returned to work June 30, 1917.

Number injured..... 119

Number not returned..... 21

Number returned..... 98

Time lost by men returned, days..... 5.636

Average days lost..... 57.51

RECAPITULATION OF NONFATAL ACCIDENTS, SIXTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Auburn.....	7	Cagers.....	2	Cage.....	1	Athens-Dawson C. Co.,	1
Cantrall.....	1	Couplers.....	2	Falling coal.....	16	Auburn & Alton C. Co.,	2
Colfax.....	1	Drivers.....	29	Falling rock.....	4	Chi.-Springfield C. Co.,	11
Dawson.....	1	Laborers.....	12	Falling slate.....	21	C. W. & F. Coal Co.,	10
Divernon.....	10	Loaders.....	7	Fell off car.....	1	Citizens C. M. Co.,	10
Lincoln.....	10	Machine runners.....	2	Flying coal.....	2	Citizens Coal Co.,	1
Pawnee.....	3	Miners.....	51	Gas explosion.....	3	Colfax Co-op. Coal Co.,	1
Riverton.....	8	Motormen.....	2	Kicked by mule.....	4	Jones & Adams C. Co.,	8
Sherman.....	2	Timbermen.....	6	Lifting objects.....	8	Latham C. M. Co.,	6
Springfield.....	64	Trackmen.....	3	Machine.....	1	Lincoln Mining Co.,	3
Thayer.....	5	Tripriders.....	3	Pit cars.....	30	Madison Coal Corp.,	10
Virden.....	6			Railroad cars.....	1	Montour Coal Co.,	3
West Frankfort.....	1			Struck by objects.....	8	Number Twelve C. Co.,	1
				Not stated.....	19	Peabody Coal Co.,	11
						Sangamon Co. M. Co.,	3
						Springfield Co-op. C. Co.,	6
						Springfield D. C. M. Co.,	28
						Tuxhora Coal Co.,	3
						West End Coal Co.,	1
Total.....	119		119		119		119

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, SIXTH DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken ¹	1		1					.84
Ankle injured.....	2	2		3	4	104	52.00	1.68
Arm broken.....	2	2		6	8	96	48.00	1.68
Arm injured.....	2	1	1	4	5	77	38.50	1.68
Back injured ²	11	8	3	26	28	466	66.57	9.25
Body burned.....	3	2	1		2	185	61.67	2.52
Body injured ¹	18	12	6	25	37	1,035	60.88	15.13
Collar bone broken.....	1	1			1	80	80.00	.84
Eye destroyed.....	1		1			50	50.00	.84
Eye injured.....	5	3	2	6	9	205	41.00	4.20
Finger broken.....	3	1	2	5	6	131	43.67	2.52
Finger cut off ³	7	1	6		1	286	57.20	5.88
Finger injured.....	4		4			148	37.00	3.36
Foot broken ¹	3	1	2		1	245	122.50	2.52
Foot injured.....	11	7	4	5	11	520	47.27	9.25
Hand broken.....	1		1			37	37.00	.84
Hand injured.....	6	3	3	20	20	279	46.50	5.04
Head injured.....	4	2	2	10	12	144	36.00	3.36
Leg broken ⁴	9	6	3	11	17	331	82.75	7.56
Leg injured ²	11	4	7	20	23	380	54.29	9.25
Pelvis broken.....	2		2			173	86.50	1.68
Rib broken.....	1		1			166	166.00	.84
Shoulder injured ¹	4	4		13	17	197	65.67	3.36
Toe broken.....	1	1			1	31	31.00	.84
Toe injured ¹	3	1	2		1	82	41.00	2.52
Wrist broken ¹	3	1	2	3	4	188	94.00	2.52
Total.....	119	63	56	157	208	5,636	57.51	100.00

¹ One not returned.² Four not returned.³ Two not returned.⁴ Five not returned.

LOGAN COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Latham Coal & Mining Co.	Lincoln.....	256,642	226,887	.....	.....	23,055	6,700
2	Citizens Coal Mining Co.	do.....	177,849	116,597	23,668	.....	23,708	13,876
3	Lincoln Mining Co., No. 1.	do.....	162,020	131,754	.....	.....	23,470	6,796
Total—3 mines.....			596,511	475,238	23,668	.....	70,233	27,372

Mines in 1916, 3. Mines in 1917, 3.

M'LEAN COUNTY,

SHIPPING MINES.								
1	McLean County Coal Co.	Bloomington.	77,083	3,000	10,565	.....	55,280	8,258
2	Colfax Coal Co.	Colfax.....	12,329	9,313	.....	.....	1,670	1,346
Total—2 mines.....			89,412	12,313	10,565	.....	56,930	9,604

Mines in 1916, 2. Mines in 1917, 2.

SANGAMON COUNTY,

SHIPPING MINES.								
1	Madison Coal Corp., No. 6.	Divernon.....	726,319	.....	.....	703,921	5,630	16,768
2	C., W. & F. Coal Co., No. 1.	Thayer.....	676,980	360,036	.....	295,120	5,472	16,332
3	Springfield Dist. Coal Mining Co., No. 2.	.....	500,517	176,678	.....	307,568	5,596	10,675
4	Springfield D. C. M. Co., No. 4	Auburn.....	454,700	233,097	.....	211,328	2,397	7,878
5	Jones & Adams, Peerless.	Springfield.....	450,455	334,914	1,540	100,881	.....	13,120
6	Peabody Coal Co., No. 6.	Sherman.....	429,721	424,632	.....	.....	56	5,033
7	Chicago & Springfield Coal Co., C. S.	Springfield.....	347,523	346,323	.....	.....	.....	1,200
8	Wilcoxon C. & C. Co., No. 2	do.....	330,339	254,854	.....	62,685	5,500	7,300
9	Springfield Dist. Coal Mining Co., No. 5.	do.....	320,295	151,033	.....	158,975	3,483	6,804
10	Springfield D. C. M. Co., No. 3	do.....	296,983	127,552	.....	132,513	31,455	5,463
11	West End Coal Co., W. S.	do.....	283,673	238,026	.....	.....	39,251	6,396
12	Citizens C. M. Co., B.	do.....	235,947	174,100	.....	48,668	8,251	4,928
13	Montour Coal Co., No. 400.	do.....	219,513	171,011	.....	38,700	2,419	7,383
14	Peabody Coal Co., No. 5.	Pawnee.....	213,612	121,482	2,901	81,437	3,833	3,959
15	Springfield Dist. Coal Mining Co., No. 7.	Springfield...	213,201	110,932	.....	43,354	52,305	6,610
16	Springfield Dist. Coal Mining Co., No. 1.	do.....	197,698	132,519	.....	60,237	197	4,745
17	Springfield Co-op. Coal Co.	do.....	191,800	87,440	.....	58,160	36,900	9,300
18	Tuxhorn Coal Co.	do.....	180,711	147,336	.....	28,316	1,938	3,121
19	Anburn & Alton Coal Co.	Auburn.....	176,770	166,458	.....	.....	7,312	3,000
20	Spring Creek Coal Co.	Springfield...	143,463	138,962	.....	.....	709	3,792
21	Lincoln Park C. & B. Co.	do.....	98,846	40,176	.....	.....	53,677	4,993
22	Sangamon Co. Mining Co.	do.....	84,313	84,313	.....	.....	.....	.....
23	Citizens C. M. Co., A.	do.....	60,458	45,170	.....	13,167	613	1,508
24	Athens-Dawson Coal Co.	Dawson.....	58,507	52,922	.....	.....	2,785	2,500
25	Cantrall Coal Co.	Cantrall.....	25,082	22,242	.....	.....	340	2,500
26	Number 12 Coal Co.	Springfield...	20,657	3,500	.....	.....	16,157	1,000
Total.....			6,938,083	4,145,708	4,441	2,345,030	286,276	156,628

SIXTH DISTRICT, 1917.

Keels of powder used for blasting.	Pounds of permissible explosive used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special perparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
16,080	2	238	343	256,642	1	6	4	20							1
8,835	2	243	159	177,849	3	1	14								2
7,514	1	217	171	162,020		3	17								3
32,429	5	249	673	596,511		4	10	4	51						

SIXTH DISTRICT, 1917.

	1	286	135	77,083							15					1
310	1	191	31	12,329				1		5						2
310	2	239	166	89,412				1		20						

SIXTH DISTRICT, 1917.

7,722	2	237	513	726,319	14	1	10	3	41							1
8,040	2	262	508	676,980	14		10	7	36							2
26,966	2	249	494	500,517			8	2	32							3
22,477	3	256	373	454,700		1	6	3	22							4
24,078	3	240	414	450,455		1	8	3	33							5
23,662	1	237	437	429,721			7	3	26							6
19,306	4	255	292	347,523			11	1	33							7
17,847	2	279	328	330,339		2		2	40							8
16,751	3	254	302	320,295		1	6	2	22							9
14,603	2	223	293	296,983		1	1	3	19							10
13,929	2	254	279	283,673		1	1	3	12							11
11,702	2	251	228	235,947			7	2	16							12
10,526	2	258	204	219,513			3		13							13
9,572	105	154	300	213,612			4	2	20							14
12,349	2	243	206	213,201		2	3	2	17							15
9,734	2	202	186	197,668			4		24							16
9,477	3	259	192	191,800		1	6	1	12							17
10,463	3	205	213	180,711			3		18							18
8,783	50	223	186	176,770			2	1	21							19
7,174	2	271	147	143,463					15							20
5,186	3	250	96	98,846					15							21
4,883	1	125	175	84,313			3	1	12							22
3,266	3	156	135	60,458			3	2	9							23
3,458	4	189	100	58,507			1		15							24
1,545	1	194	96	25,082		1		1	11							25
1,235	3	193	42	20,657			1									26
304,731	155	60	224	6,739	5,534,784	1,403,299	28	12	108	44	534					

SANGAMON COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	Citizens Coal Co.	Pleasant P...	6,235 .....	.....	.....	.....	5,995	300
2	I. W. Herndon	do.	2,495 .....	.....	.....	.....	2,495 .....	.....
3	Watkins & Dabney.....	Farmingdale.	1,775 .....	.....	.....	.....	1,775 .....	.....
Total			10,505 .....	.....	.....	.....	10,265	300
Total—29 mines.....			6,948,648	4,145,708	4,441	2,345,030	296,541	156,928

Mines in 1916, 26.

New mines, 4.

Abandoned mines, 1.

Mines in 1917, 29.

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Keys of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Logan	3	593,511	475,238	23,638		70,233	27,372	32,429	
2	McLean	2	81,412	12,313	10,535		59,930	9,604	310	
3	Sangamon	23	6,938,083	4,145,708	4,441	2,345,030	293,541	156,928	304,731	155
	Total	31	7,624,006	4,633,259	38,674	2,345,030	423,704	193,904	337,470	155

LOCAL MINES, RECAPITULATION BY

1	Sangamon	3	10,505				10,265	300	565	
	Total	3	10,505				10,265	300	565	
	The district.	34	7,634,571	4,633,259	38,674	2,345,030	423,704	193,904	338,035	155

ALL MINES, RECAPITULATION BY

1	Logan	3	593,511	475,238	23,638		70,233	27,372	32,429	
2	McLean	2	81,412	12,313	10,535		59,930	9,604	310	
3	Sangamon	23	6,948,648	4,145,708	4,441	2,345,030	293,541	156,928	305,233	155
	Total	34	7,634,571	4,633,259	38,674	2,345,030	423,704	193,904	338,035	155

Whole number of mines reported for 1916, 31.

Number of new and reopened mines during the year, 4.

Number of mines abandoned during the year, 1.

Whole number of mines reported for 1917, 34.

SIXTH DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.			Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
350	2	....	266	7	6,295	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
125	2	....	295	11	2,495	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
90	1	....	253	5	1,775	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
565	5	....	271	23	10,565	.....	.....	.....	.....	.....	.....	.....	.....	.....
305,296	155	65	....	229	6,762	5,545,349	1,403,299	28	12	108	44	534	.....	.....	.....

COUNTIES, SIXTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
249	673	596,511	.....	.....	4	10	4	51	.....	.....	.....	1
239	166	89,412	.....	.....	.....	1	.....	20	.....	.....	.....	2
224	6,739	5,534,784	1,403,299	28	12	108	44	534	.....	.....	.....	3
227	7,578	6,220,707	1,403,299	28	16	119	48	605	.....	.....	.....

COUNTIES, SIXTH DISTRICT, 1917.

271	23	10,565	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
271	23	10,565	.....	.....	.....	.....	.....	.....	.....	.....	.....
231	7,601	6,231,272	1,403,299	28	16	119	48	605	.....	.....	.....

COUNTIES, SIXTH DISTRICT, 1917.

249	673	596,511	.....	.....	4	10	4	51	.....	.....	.....	1
239	166	89,412	.....	.....	.....	1	.....	20	.....	.....	.....	2
229	6,762	5,545,349	1,403,299	28	12	108	44	534	.....	.....	.....	3
231	7,601	6,231,272	1,403,299	28	16	119	48	605	.....	.....	.....

SEVENTH INSPECTION DISTRICT.

COUNTIES—GREENE, JERSEY, MACOUPIN AND MONTGOMERY.

ARCHIBALD FREW, *Inspector.*

Hon. Evan D. John Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Seventh District, comprising the coal producing counties of Greene, Jersey, Macoupin and Montgomery.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	4
Number of shipping mines.....	21
Number of local mines.....	13
Number of new or reopened mines.....	8
Number of closed or abandoned mines.....	2
Number of men underground.....	8,057
Number of boys underground.....	176
Number of men outside the mine.....	745
Number of boys outside the mine.....	23
Total number of employees.....	9,001
Total tons of coal produced.....	10,240,425
Days of active operation, all mines.....	185
Kegs of powder used for blasting coal.....	100,920
Number of fatal accidents.....	32
Number of nonfatal accidents.....	227
Number of employees to each fatal accident.....	281
Number of employees to each nonfatal accident.....	40
Tons of coal produced to each fatal accident.....	320,013
Tons of coal produced to each nonfatal accident.....	45,112
Ratio of fatal accidents per 1,000 employees.....	3.55

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons	Days worked.	Men em- ployed.	Output— tone.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Greene.....	6,604	135	37	14,260	179	43	.....	.....	.....	7,656	43	6
Jersey.....	1,320	250	4	960	200	4	360	50	.....	.....	.....	.....
Macoupin.....	6,590,825	205	5,384	5,259,866	186	5,270	1,330,959	19	114	.....	.....	.....
Montgomery.....	3,641,676	193	3,576	3,123,882	200	3,074	517,794	.....	502	.....	7	.....
Total and average	10,240,425	185	9,001	8,398,968	188	8,391	1,849,113	.....	616	7,656	.....	6
Net.....	.....	.....	.....	.....	.....	.....	1,841,457	.....	610	.....	3	.....

NEW AND REOPENED MINES.

Greene County.—Whitehead Bros., Bert Smith, Roodhouse; Greenfield Mining Company, Greenfield.

Macoupin County.—Montour Coal Co., No. 402, Virden; Ridge Coal Mining Co., Greenridge; J. J. Harbaugh, Chesterfield.

Montgomery County.—C. & E. I. Coal Property, No. 12, Witt, and No. 15, Taylor Springs.

CLOSED AND ABANDONED MINES.

Greene County.—Kincaid & Mitchell; A. E. Axley.

PROSPECTIVE MINE.

The Superior Coal Company in sinking a new mine to be known as No. 4, about seven miles southwest of Gillespie, Macoupin County. It is expected that this mine will be the largest producer in the State. The main shaft will be 11 feet by 21 feet inside of the concrete and will have three compartments. The air shaft will be 11 feet by 17 feet inside measurement with a concrete stairway. The equipment of the plant will be up-to-date in every respect and the work is being rushed with all possible speed.

IMPROVEMENTS.

The Montour Coal Company at Girard, Macoupin County, has extended motor roads and laid them with heavy rails a distance of 2,000 feet; built 40 stoppings of concrete blocks along the main airways and reduced to a minimum the amount of leakage in that section; doubled the size of the wash house and installed a soft water system with shower baths. Other improvements have been made, such as the replacing of an old boiler with a new one, track scales repaired, etc. At Virden mine this company resumed operations last December after being idle since January 20, 1915. A new concrete engine house was built; the hoisting engine was replaced by a much larger one and the old type generators were replaced by two 150-kilowatt machines of modern design; the boiler house was rebuilt and made fireproof; three new 150-horsepower boilers were installed; the mine haulage roads and air courses cleaned up and placed in good condition; the old slack bins torn down and the tipples remodeled and made much stronger.

Shoal Creek Coal Company, Panama, Montgomery County, extended motor track about 3,000 feet on three different territories; built a new track for loads, storage for empties, and expect to cage the coal from the reverse side; changing pit cars to roller bearings; built a new pump house at Shoal Creek and installed an electric driven pump and a new Cameron pump; built an extension to carpenter shop to facilitate the work there; have bought a 13-ton motor and three more mining machines to be installed as soon as possible; installed 5,000 feet of 400,000 circular mills cable, which is well insulated, to improve the positive wire lines below.

C. & E. I. Coal Properties, No. 12, Witt, Montgomery County, was closed down two years and eleven months, and reopened on or about November 20, 1916. This mine was in bad condition and had to be cleaned up; began hoisting coal November 29, at a very small tonnage per day and have gradually increased up to 1,500 tons per day; the air courses and haulage roads are in good condition; other improvements are two haulage locomotives, five mining machines, one new boiler complete and one old boiler replaced with a new one, one generator which produces the power for the mining machines and locomotives in the mine.

The Superior Coal Company, Gillespie, Macoupin County, beside making extensions on the haulage roads of their three mines, has laid much heavy iron in preparation of future extensions and roller bearing wheels are being substituted for the old type wheels in the mine cars at mine 1 and 2, and a large number of the new type cars purchased for all three mines. The most important improvement during the year was made at mine No. 1, where all the compressed air mining machinery was taken out and in its place were added to the electrical equipment one 200-kilowatt generator

direct connected to a 20 by 20 engine; seven breast mining machines and three shortwall mining machines; a belt driven trip hammer to sharpen the machine bits, and one 11 by 12 Westinghouse air pump were installed; 80 feet of the main shaft from the landing down was retimbered and new guides put in. On the surface the tippie was repaired, the track and hopper scales overhauled and repaired and a concrete sewer built behind the boiler room to drain blow-off water from the boilers. At mine No. 2 there has been built a car barn below so that the mine cars can be repaired without sending them on top. A 25-kilowatt direct connected generator, one breast mining machine and a 15-ton locomotive were added to the electrical equipment. At mine No. 3 several thousand feet of motor road has been retied, straightened and brushed, while on the surface three boilers were reset, an addition built to machine shop for the engine that runs the line shaft, and a 4-foot radial drill purchased for the machine shop. At each of the three mines a new water tank was erected on the surface. For the sprinkling of roads there has been installed three large steel tanks out of which the water is forced by compressed air so that the top and ribs of entries are sprinkled as well as the bottom. Additions are being built to all of the wash houses in order to add more sprays and place all of the sprays in a separate room. The ventilation has been improved at all three mines by rebuilding the old stoppings with concrete blocks and with new stoppings in the mouths of abandoned entries. Two boilers were reset at the coal washer and two steel smoke stacks erected.

Coffeen Coal Mining Company, Coffeen, Montgomery County, has installed a high speed engine, direct connected generator, built smoke stacks, overhauled all boilers, extended motor haulage and reopened territory which had formerly been closed.

FATAL ACCIDENTS.

July 13, 1916, Frank J. Rodgers, Jr., laborer, age 17 years, single, was killed in Carlinville Coal Company's mine, Carlinville, Macoupin County. Deceased was standing on the cage helping the bottom cager to shove back loaded cars, when from some unknown cause, the cage was hoisted, resulting in his death.

July 28, 1916, Robert Haddow, driver, age 24 years, single, was run over by a pit car and killed in Superior Coal Company's No. 3 mine, Gillespie, Macoupin County.

August 2, 1916, Paul Rau, miner, age 50 years, married, was killed by falling slate in Mt. Olive Coal Company's No. 5 mine, Mt. Olive, Macoupin County. Deceased was standing in a mine car taking down top coal when slate fell, killing him instantly. He leaves a widow and four children.

August 7, 1916, Charles Phillips, miner, age 40 years, single, was killed by falling slate in Consolidated Coal Company's No. 7 mine, Staunton, Macoupin County. He leaves two dependents, mother and sister.

August 21, 1916, Martin Bogetti, driver, age 22 years, single, was killed by a pit car in Shoal Creek Coal Company's mine, Panama, Montgomery County.

August 27, 1916, John H. Graves, miner, age 46 years, married, was killed in Carlinville Coal Company's mine, Carlinville, Macoupin County, by flying coal from shot blown through pillar. He leaves a widow.

September 21, 1916, Andrew Divita, laborer, age 17 years, single, was caught between the bumpers of two railroad cars in the yards at mine No. 2, Superior Coal Company, Gillespie, Macoupin County, and killed.

October 1, 1916, Alexander Harris, machine runner, age 34 years, married, was killed by a fall of slate in Superior Coal Company's No. 1 mine, Gillespie, Macoupin County. He leaves a widow and four children.

October 28, 1916, Fred Bowers, trip rider, age 21 years, single, was killed by pit cars in Nokomis Coal Company's mine, Nokomis, Montgomery County.

November 16, 1916, Charles Meyer, driver, age 22 years, single, was killed in Consolidated Coal Company's mine, Staunton, Macoupin County, by pit cars.

November 23, 1916, Henry Garner, machine runner, age 38 years, married, was killed by electrocution while at work in C. and E. I. Coal Properties' mine, No. 11, Hillsboro, Montgomery County.

December 2, 1916, James Harris, miner, age 48 years, single, was caught under fall of slate and killed in Superior Coal Company's mine No. 1, Gillespie, Macoupin County.

December 16, 1916, Charles Dougherty, loader, age 44 years, single, was killed by pit cars in Superior Coal Company's No. 3 mine, Gillespie, Macoupin County.

December 18, 1916, Max Covi, miner, age 22 years, single, fell from the cage while being hoisted out of mine No. 1, Superior Coal Company, Gillespie, Macoupin County, and received injuries which resulted in his death.

January 24, 1917, Fred Jackson, coupler, age 19 years, single, was killed by pit cars in Consolidated Coal Company's No. 14 mine, Staunton, Macoupin County. Deceased was reaching in to uncouple two cars when another car struck them, crushing his head. He leaves two dependent relatives.

January 27, 1917, George Smith, machine runner, age 46 years, single, was killed by falling coal in Superior Coal Company's No. 2 mine, Gillespie, Macoupin County.

February 8, 1917, John Hallor, single, miner, age 30 years, employed in No. 7 mine, Consolidated Coal Company, Staunton, Macoupin County, was killed by falling slate.

March 3, 1917, John Gatelli, machine helper, age 32 years, single, was killed by a fall of coal in Royal Colliery Coal Company's mine, Virden, Macoupin County.

March 12, 1917, Andrew Rodegher, miner, age 16 years, single, employed by C. & E. I. Coal Properties at mine No. 12, Witt, Montgomery County, was killed by falling coal. He leaves three dependent relatives.

March 14, 1917, Robert Hamilton, driver, age 19 years, single, was killed by a pit car in No. 7 mine, Consolidated Coal Company, Staunton, Macoupin County.

March 27, 1917, Joseph Wyld, miner, age 32 years, married, was killed by falling coal in C. & E. I. Coal Properties mine No. 10, Nokomis, Montgomery County. He leaves a widow.

March 28, 1917, Thomas Hill, miner, age 62 years, married, was killed by a fall of slate in C. & E. I. Coal Properties mine No. 12, Witt, Montgomery County. He leaves a widow.

March 28, 1917, Joseph Pitkofsky, miner, age 50 years, married, was killed in mine No. 10, C. & E. I. Coal Properties, Nokomis, Montgomery County, by falling coal. He leaves a widow and four children.

March 30, 1917, Ernst Woolridge, miner, age 20 years, single, was killed by falling coal in No. 14 mine, C. & E. I. Coal Properties, Witt, Montgomery County.

April 3, 1917, Virgilio Jaemeti, trip rider, age 31 years, single, was killed by falling slate in Shoal Creek Coal Company's mine, Panama, Montgomery County.

April 4, 1917, Mike Wertlewski, miner, age 38 years, married, was killed in Hillsboro Coal Company's mine, Hillsboro, Montgomery County, by a fall of coal. He leaves a widow.

April 25, 1917, James McGurk, face boss, married, and John Crowder, trip rider, married, were killed by falling slate in Consolidated Coal Company's mine No. 14, Staunton, Macoupin County. McGurk leaves a widow and two children and Crowder leaves a widow and one child.

April 28, 1917, Alexander Poulson, driver, age 41 years, single, employed in No. 12 mine, C. & E. I. Coal Property, Witt, Montgomery County, was unhitching the tail chain when his mule kicked him on the head knocking him against rib of entry, causing his death in a few hours. He leaves one dependent.

April 30, 1917, Thomas Brynn, motorman, age 24 years, single, died from the effect of injuries received November 15, 1916, in Royal Colliery Company's mine, Virden, Macoupin County, by falling clod.

May 7, 1917, John McLuckie, trip rider, age 17 years, single, was killed by pit cars in Superior Coal Company's No. 3 mine, Gillespie, Macoupin County.

May 12, 1917, George Harris, timberman, age 39 years, married, employed in Chicago & Eastern Illinois Coal Property's mine No. 14, Witt, Montgomery County, was killed by pit cars. He leaves a widow and three children.

Respectfully submitted,

ARCHIBALD FREW,
Inspector, Gillespie, Illinois.

FATAL CASUALTIES, SEVENTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
July 13	Frank J. Rogers.....	17	Laborer.....	Carlinsville.....	1	1				Cage and shaft.
	Robt. Haddow.....	24	Driver.....	Gillespie.....	1	1				Pit car.
Aug. 2	Paul Rau.....	50	Miner.....	Mt. Olive.....	1	1	4	5		Falling slate.
	Charles Phillips.....	40	do.....	do.....	1	1		2		Falling slate.
	Martin Bogetti.....	22	Driver.....	Panama.....	1	1				Pit car.
	John H. Graves.....	46	Miner.....	Carlinsville.....	1	1	1	1		Flying coal.
Sept. 21	Andrew Divita.....	17	Laborer.....	Gillespie.....	1	1				Railroad cars.
Oct. 1	Alexander Harris.....	34	Machine runner	do.....	1	1	4	5		Falling slate.
	Fred Bowers.....	21	Trip rider.....	Nokomis.....	1	1				Pit car.
Nov. 16	Charles Meyer.....	22	Driver.....	Staunton.....	1	1				Pit car.
	Henry Garner.....	38	Machine runner	Irving.....	1	1	4	5		Electrocuted.
Dec. 2	James Harris.....	48	Miner.....	Gillespie.....	1	1				Falling slate.
	Charles Dougherty.....	44	Loader.....	Benld.....	1	1				Pit car.
	Max Covi.....	22	Miner.....	Gillespie.....	1	1				Pell off cage.
1917										
Jan. 24	Fred Jackson.....	19	Coupler.....	Staunton.....	1	1				Pit car.
	George Smith.....	46	Machine runner	Benld.....	1	1				Falling coal.
Feb. 8	John Hallor.....	39	Miner.....	Staunton.....	1	1				Falling slate.
Mar. 3	John Gatelli.....	32	Machine helper.	Viriden.....	1	1				Falling coal.
	Andrew Rodegher.....	16	Miner.....	Witt.....	1	1		3		Falling coal.
	Robert Hamilton.....	19	Driver.....	Staunton.....	1	1				Pit car.
	Joseph Wyld.....	32	Miner.....	Nokomis.....	1	1	1	1		Falling coal.
	Thomas Hill.....	62	do.....	Witt.....	1	1	1	1		Falling slate.
	Joseph Pitkofsky.....	50	do.....	Nokomis.....	1	1	4	4		Falling coal.
	Ernst Woolridge.....	20	do.....	Witt.....	1	1				Falling coal.
Apr. 3	Virgilis Jaemeti.....	31	Trip rider.....	Panama.....	1	1				Falling slate.
	Mike Wiertelowski.....	38	Miner.....	Hillsboro.....	1	1	1	1		Falling coal.
	James McGurk.....		Face boss.....	Staunton.....	1	1	2	3		Falling slate.
	John Crowder.....		Trip rider.....	do.....	1	1	1	2		Falling slate.
	Alexander Poulson.....	41	Driver.....	Witt.....	1	1		1		Kicked by mule.
	Thomas Brynn.....	24	Motorman.....	Thayer.....	1	1				Falling clod.
May 7	John McLuckie.....	17	Trip rider.....	Gillespie.....	1	1				Pit car.
	George Harris.....	39	Timberman.....	Witt.....	1	1	3	4		Pit car.
	Total.....				11	21	11	23	38	

RECAPITULATION OF FATAL ACCIDENTS, SEVENTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Benld.....	2	Coupler.....	1	Cage and shaft.....	1	Carlinsville Coal Co.....	2
Carlinsville.....	2	Drivers.....	5	Electrocuted.....	1	C. & E. I. Coal Prop.....	8
Gillespie.....	6	Face boss.....	1	Falling coal.....	8	Consolidated Coal Co.....	7
Hillsboro.....	1	Laborers.....	2	Falling slate.....	9	Hillsboro Coal Co.....	1
Irving.....	1	Loader.....	1	Pell off cage.....	1	Mt. Olive Coal Co.....	1
Mt. Olive.....	2	Machine helper.....	1	Flying coal.....	1	Nokomis Coal Co.....	1
Nokomis.....	3	Machine runners.....	3	Kicked by mule.....	1	Royal Colliery Co.....	2
Panama.....	2	Miners.....	12	Pit cars.....	9	Shoal Creek Coal Co.....	2
Staunton.....	6	Motorman.....	1	Railroad cars.....	1	Superior Coal Co.....	8
Thayer.....	1	Timberman.....	1				
Viriden.....	1	Trip riders.....	4				
Witt.....	5						
Total.....	32		32		32		32

NONFATAL CASUALTIES, SEVENTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July	1 P. Page	35	Staunton	1			1	Leg injured, pit car	*
	1 John Vuciek	34	do.	1		5	6	Eye injured, flying coal	64
	3 John Mchock	55	Viriden	1		8	9	Back injured, falling slate	86
	5 Alberto Canni	37	Gillespie	1	1	1	2	Leg broken, falling coal	104
	6 Dan Flynn	36	Viriden	1		2	3	Back injured, lifting car	97
	7 Tony Tuieritis	28	Mt. Olive	1	1			Leg injured, machine	*
	8 James Terra	32	Viriden	1	1			Back injured, falling slate	90
	11 Fred Taylor	35	Gillespie	1		2	3	Foot injured, flying pulley	40
	11 A. J. Schrader	32	Carlinville	1	1			Hand injured, falling clod	30
	12 L. Morgan	42	Hillsboro	1		2	3	Body injured, falling coal	43
	14 Arthur Jones	35	Gillespie	1			1	Arm injured, cog	45
	17 H. Reschetz	21	Staunton	1	1			Body injured, mule	*
	18 Barton Castralle	32	Viriden	1	1			Body injured, pushing car	73
	18 John Stiojeck	29	Mt. Olive	1			1	Hand injured, fell	42
	19 Harry Hammond	23	Viriden	1	1		1	Finger broken, lifting car	75
	20 Albert Diewright	22	Panama	1	1			Arm injured, axe	31
	23 Mike Yurick	34	Mt. Olive	1		2	3	Head injured, kicked by mule	57
	24 Philip Yerbick	34	do.	1	1			Hand injured, falling bar	30
	25 Orlie Hslier	22	Panama	1	1			Foot broken, pit car	76
	26 Wm. Hartline	45	Witt	1		3	4	Foot broken, falling coal	109
	27 Mick Zilitz	34	Panama	1	1			Ankle injured, pit car	69
	29 Pete Falleims	22	Mt. Olive	1	1			Toe injured, caught in cog	36
Aug.	3 Curt Grim	29	Staunton	1		1	2	Head injured, falling prop	*
	4 Charles Cuhin	48	do.	1		3	4	Head injured, falling coal	197
	4 Tony Altman	39	Hillsboro	1		3	4	Arm broken, falling coal	*
	7 Al Poli	41	Schram City	1			1	Finger cut off, not stated	34
	14 E. Venturis	32	Hillsboro	1		2	4	Back injured, not stated	48
	19 Wm. Waly	38	do.	1		2	3	Ankle broken, pit car	64
	22 Robert Thompson	43	do.	1		3	4	Arm injured, flying steel	40
	25 Wm. Owens	53	do.	1		6	4	Finger injured, falling coal	*
	28 Evan Evans	36	Viriden	1	1			Collar bone broken, pit car	32
Sept.	28 L. Galbraith	23	Nokomis	1			1	Eye injured, flying coal	30
	1 S. Green	22	do.	1	1		2	Foot injured, motor	45
	2 Joe Gatto	23	Viriden	1	1			Finger injured, lifting car	30
	2 Joe Carteze	40	Benld	1		3	4	Eye injured, flying coal	66
	5 Henry Katzmark	25	Gillespie	1		2	3	Foot injured, motor	130
	5 B. Gamblin	34	Nokomis	1		1	2	Body injured, lifting car	61
	14 Wm. Crawford	33	Taylor Springs	1		3	4	do.	45
	18 W. Walker	52	Nokomis	1		5	2	Body injured, falling coal	37
	18 Thos Dodat	23	do.	1	1			Eye injured, flying wood	37
	21 Clarence England	22	do.	1			1	Body burned, electric current	49
	25 H. C. Depson	43	do.	1			1	Finger broken, pit car	36
	25 Geo. Conley	40	Hillsboro	1		6	7	Back injured, falling coal	48
	25 Wm. O'Neill	47	Carlinville	1	1		1	Body injured, not stated	30
	27 Mike Hanisho	40	Witt	1		3	4	Leg broken, falling coal	65
	27 Tony Ignietis	20	Gillespie	1	1			Arm injured, fell off car	42
	27 Hugh Hill	27	Benld	1		1	2	Eye destroyed, flying steel	50
	28 F. D. Emnik, Sr.	54	Carlinville	1		4	5	Body injured, falling coal	30
Oct.	3 Wm. Rowlando	25	Gillespie	1	1			Body injured, kicked by mule	33
	5 John Rice	58	Carlinville	1		5	6	Head injured, falling slate	40
	5 Frank Ferraris	24	Viriden	1				Shoulder injured, falling slate	33
	7 J. Wefur, Jr.	21	Hillsboro	1	1			Hand injured, falling coal	40
	9 Rudolph Holan	43	Nokomis	1		2	3	Leg injured, falling coal	32
	13 H. Bailey	18	do.	1	1			Foot injured, motor	50
	14 James Turk		Gillespie	1			1	Body injured, falling slate	124
	18 Tony Kofalt	30	Panama	1		2	3	Body injured, falling rock	44
	27 John Walzita	24	Nokomis	1		1	2	Body injured, falling slate	41
	30 J. Groce	66	do.	1				Arm broken, fell off car	*
	30 F. McCollough	43	do.	1			1	Leg broken, machine	80
	31 A. Lamprecht	38	do.	1			1	Back injured, lifting car	37
Nov.	1 Joe Winski	28	Benld	1		2	3	Toe injured, falling coal	34
	3 Roy Allman	20	Witt	1	1			Finger broken, pit car	32
	4 Charles Shelton	35	Hillsboro	1		3	4	Finger broken, lifting coal	30
	6 Alva Mills	31	Panama	1		1	2	Finger broken, pit car	31
	6 B. H. F. Ilerton	26	Nokomis	1		2	3	Head injured, coal fell from table	107
	7 James Ninletti	23	Witt	1				Finger injured, pit car	42
	9 George Charles	34	Carlinville	1		4	5	Ribs broken, pit car	30
	10 Charles Baritus	33	Nokomis	1		1	2	Body injured, falling coal	37
	11 Wm. Buzoen	23	Staunton	1			1	Body injured, not stated	*
	14 P. Zimmerman	31	Nokomis	1				Back injured, machine	*
	15 George Jordan	21	Sorento	1				Hand broken, pit car	*

NONFATAL CASUALTIES, SEVENTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
Nov. 16	S. J. Monshan.....	28	Hillsboro.....	1	1			Back injured, lifting ear.....	34
17	A. Sturte.....	69	Carlinville.....	1				Hand injured, falling coal.....	30
17	Joe Burton.....	38	Schram City.....	1		3		Rib broken, falling slate.....	*
17	John Kasner.....		Mt. Olive.....	1				Leg broken, not stated.....	*
17	Dom Stella.....	26	Benld.....	1				Finger injured, latch.....	*
20	Ira Newman.....	25	Gillespie.....	1				Head injured, fell down.....	*
20	Joe Mouletano.....	21	do.....	1				Leg injured, pit car.....	58
23	F. Rahn.....	32	do.....	1		1		Foot injured, machine.....	88
28	J. Meachko.....	56	Taylor Springs.....	1		7		Collar bone broken, pit car.....	40
28	Sam Trainer.....	43	Gillespie.....	1		3		Head injured, falling slate.....	52
29	Ben Peptone.....	22	Benld.....	1				Toes broken, not stated.....	56
Dec. 1	Frank Tries.....	25	Gillespie.....	1				Rib broken, pit car.....	*
1	James Bellezanti.....	38	Girard.....	1		4		Back injured, lifting ear.....	70
1	W. Brannon.....	29	Gillespie.....	1		3		Leg injured, machine.....	183
2	Joe Schey.....	34	do.....	1		2		Body injured, falling slate.....	*
2	Wm. Hartline.....	46	Witt.....	1		3		Head injured, falling coal.....	51
5	M. Macimza.....	30	Gillespie.....	1				Hand injured, falling coal.....	80
6	F. Bayer.....	45	Nokomis.....	1				Leg injured, pit car.....	37
6	Wm. Waly.....	38	Hillsboro.....	1		3		Fingers cut off, motor.....	40
7	Charles Smith.....		Staunton.....	1				Leg injured, pit car.....	*
8	Wm. Dobrinsky.....	40	Gillespie.....	1				Head injured, pit car.....	55
9	Charles Lund.....	40	do.....	1		6		Finger injured, prop.....	35
13	H. Bailey.....	18	Nokomis.....	1				Finger broken, pit car.....	45
14	James Hamilton.....	55	Witt.....	1				Toe broken, falling coal.....	59
15	Henry Mayer.....	48	Virden.....	1		1		Leg injured, machine.....	31
15	Andy Zar.....	22	Mt. Olive.....	1				Finger injured, pit car.....	37
20	E. Crouch.....	43	Gillespie.....	1		1		Finger broken, not stated.....	35
22	Wm. Ferguson.....	24	do.....	1				Fingers cut off, saw.....	40
22	A. W. Ditzler.....	25	Nokomis.....	1		2		Leg broken, motor.....	144
22	Lorenzo Gasperlo.....	42	Panama.....	1		5		Pelvis broken, mule.....	*
27	George Benchop.....	51	Staunton.....	1				Ribs broken, not stated.....	61
27	Martin Kruz.....		Mt. Olive.....	1				Leg injured, not stated.....	96
28	Wm. Moonshine.....	23	Staunton.....	1				Ankle broken, not stated.....	86
28	C. Hallon.....	18	Nokomis.....	1				Head injured, falling coal.....	98
30	L. Lucas.....	29	do.....	1		1		Ribs broken, pit car.....	44
1917									
Jan. 1	Bas Baleno.....		Benld.....	1				Foot broken, pit car.....	82
6	John Murray.....	61	Witt.....	1		1		Finger injured, not stated.....	38
8	R. Swash.....	37	Schram City.....	1		2		Finger broken, fell.....	30
9	Charles Sheerin.....	27	Virden.....	1		1		Rib broken, kicked by mule.....	34
9	R. Staples.....	23	Nokomis.....	1				Rib broken, motor.....	48
10	Jos. Clelland.....	35	Hillsboro.....	1		4		Foot injured, machine.....	46
11	Mat Elliot.....	30	Gillespie.....	1				Body injured, falling coal.....	42
11	Wm. Hood.....	35	do.....	1				do.....	65
11	John Sloban.....	28	Panama.....	1				Leg injured, pit car.....	35
13	R. W. Robertson.....	40	Hillsboro.....	1		4		Leg injured, falling coal.....	34
13	Joe Perla.....	35	Gillespie.....	1		2		Back injured, fell.....	30
15	B. Latt.....	33	Nokomis.....	1				Body injured, fell.....	32
16	Luellen Hall.....	24	Taylor Springs.....	1		1		Leg injured, pit car.....	55
17	F. Denbroski.....	42	Hillsboro.....	1				Finger broken, falling coal.....	35
17	Wm. Littlehale.....	26	Gillespie.....	1		1		Body injured, mule.....	*
18	Frank Gribner.....	25	do.....	1				Leg broken, falling coal.....	*
18	J. Gourley.....	50	Nokomis.....	1		11		Head injured, not stated.....	46
18	Norman Ewbanks.....	20	Virden.....	1				Body injured, pit car.....	45
19	Pacifico Ricecattella.....	33	do.....	1		5		Body injured, falling slate.....	40
19	John Cavaretto.....	27	Gillespie.....	1				Body injured, falling prop.....	*
19	John Lessack.....	38	Witt.....	1				Shoulder injured, pit car.....	45
19	A. Martino.....	33	do.....	1		1		Hand injured, not stated.....	31
20	Louis Henderson.....	39	Panama.....	1		4		Rib injured, fell.....	36
23	Alva Mills.....	31	do.....	1		1		Body injured, falling coal.....	56
23	W. S. Williams.....	33	do.....	1		3		Leg broken, falling coal.....	158
24	Harry Jackson.....		Staunton.....	1				Leg injured, not stated.....	63
24	H. Thomas.....	25	Gillespie.....	1				Body injured, kicked by mule.....	82
25	Frank Strukel.....		Staunton.....	1				Collar bone broken, not stated.....	40
26	Henry Frey.....	17	Panama.....	1				Leg injured, burning oil.....	72
26	Mike Breza.....	26	Gillespie.....	1		2		Leg broken, falling elod.....	82
27	Ed Cloud.....	57	do.....	1		4		Leg injured, falling coal.....	70
28	Joe Zonsa.....	46	Virden.....	1		8		Eyes injured, flying sulphur.....	57
29	F. Rodeghiero.....		Staunton.....	1				Arm broken, not stated.....	*
31	T. Tarraeh.....	54	do.....	1		7		Eye injured, flying coal.....	66
Feb. 6	W. McLustion.....	45	Nokomis.....	1		5		Foot broken, falling coal.....	120

NONFATAL CASUALTIES, SEVENTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Feb.	6 Frk Oblok.....	19	Staunton.....	1	1			Hand injured, pit car.....	54
	9 P. Albanin.....	21	do.....	1			1	Eye injured, not stated.....	55
	12 Weaner Root.....	30	Panama.....	1	1			Finger broken, pit car.....	41
	13 Frank Coakley.....	31	Witt.....	1	1			Hand injured, falling coal.....	32
	13 Fred Langewish.....	60	Staunton.....	1	1			Leg injured, machine.....	30
	13 Joe Sounido.....	29	do.....	1	1			Leg injured, falling coal.....	84
	15 Graner Frazier.....	28	Sorento.....	1		3	4	Finger injured, kicked by mule.....	30
	15 J. Muzeni.....	39	Staunton.....	1				1 Eye injured, flying coal.....	95
	16 Richard Champey.....	53	Witt.....	1		4	4	Ankle broken, falling coal.....	114
	19 George Trueman.....	38	Viriden.....	1	1	1	2	Foot broken, machine.....	132
	20 Joe Ozcutz.....	20	Mt. Olive.....	1				1 Hand injured, kicked by mule.....	47
	23 Peter Kitkowski.....	38	Panama.....	1	1	5	6	Rib broken, pit car.....	47
	24 D. Casta.....	23	Staunton.....	1				1 Eye injured, not stated.....	64
	24 Dan Keating.....	19	Gillespie.....	1	1			Back injured, kicked by mule.....	129
	27 Pasol Guisseppe.....	30	Girard.....	1	1			Back injured, pushing car.....	36
	28 L. Mueller.....	33	Staunton.....	1		4	5	Leg injured, falling coal.....	39
	28 Cyrus Williams.....	32	Viriden.....	1	1			Collar bone broken, pit car.....	38
Mar.	2 C. Reed.....	49	Nokomis.....	1		7	8	Body injured, falling coal.....	33
	2 J. Zoveral.....	41	do.....	1	1	1	2	Eye injured, flying coal.....	33
	5 Wm. Griffith.....	49	Sorento.....	1		2	3	Ribs broken, squeezed by mule.....	60
	6 Sid Tippins.....	30	Gillespie.....	1		2	3	Foot broken, caught in gear.....	105
	8 P. Murphy.....	21	Nokomis.....	1				Hand cut off, pit car.....	40
	8 D. Pinchioli.....	35	Hillsboro.....	1				Back injured, pit car.....	31
	9 Wm. Simberger.....	19	Gillespie.....	1	1			Back injured, fell off tail chain.....	*
	9 John Pincher.....	41	Taylor Springs.....	1		1	2	Body injured, pit car.....	96
	10 George Coleman.....	35	Staunton.....	1	1	4	5	Collar bone broken, not stated.....	52
	10 John Caslerlubes.....	47	Witt.....	1				1 Hand injured, falling coal.....	57
	12 John Barlow.....	69	do.....	1	1	1	1	Foot broken, pit car.....	92
	14 Joe Maxwell.....	49	Carlinville.....	1		4	5	Finger injured, not stated.....	30
	15 R. Dubinski.....	57	Nokomis.....	1		5	6	Rib broken, fell.....	48
	16 Steve Kapilla.....	18	do.....	1				Finger injured, falling rail.....	56
	16 Joe Makatelle.....	30	Gillespie.....	1				1 Ankle injured, falling slate.....	61
	21 T. Benni.....	41	Nokomis.....	1		5	6	Leg broken, pit car.....	101
	22 R. Bobetich.....	29	Staunton.....	1				Back injured, falling slate.....	*
	22 Tony Rommi.....	49	Panama.....	1		2	3	Body injured, pit car.....	46
	23 P. Rojonnie.....	34	Nokomis.....	1		1	2	Back injured, lifting coal.....	40
	26 Joe Unick.....	24	Staunton.....	1				Finger cut off, motor.....	68
	26 V. Henning.....	19	Mt. Olive.....	1				Foot broken, pit car.....	*
	28 Cecil Johnson.....	18	Witt.....	1				Hand injured, not stated.....	46
	29 J. Cannon.....	50	Nokomis.....	1		5	6	Body injured, lifting car.....	48
	30 W. G. Virdell.....	53	Gillespie.....	1		6	7	Foot injured, falling slate.....	30
	31 John Shalkey.....	18	Mt. Olive.....	1				Body injured, pit car.....	55
Apr.	31 M. Zannanella.....	32	Nokomis.....	1		1	2	Eye injured, flying steel.....	36
	9 Joseph Rich.....	26	Viriden.....	1		2	3	Body injured, lifting weight.....	73
	9 John Tisone.....	39	Panama.....	1		2	3	Body injured, lifting coal.....	82
	10 Alex Spiers.....	19	Witt.....	1				Hand injured, pit car.....	*
	13 B. Matto.....	45	Viriden.....	1		2	3	Leg injured, pushing car.....	46
	18 Joe Boetto.....	26	Gillespie.....	1		2	3	Collar bone broken, fell off car.....	*
	19 George Hess.....	61	Staunton.....	1		1	2	Eye injured, flying coal.....	47
	19 E. A. Tieft.....	20	Panama.....	1				1 Body injured, falling coal.....	58
	20 Silva Tagolis.....	25	Benld.....	1	1			Body injured, pit car.....	*
	20 A. Steuse.....	69	Carlinville.....	1				1 Body injured, kicked by mule.....	30
	21 Andy Bowlek.....	40	Benld.....	1		10	11	Ribs broken, not stated.....	32
	21 Dante Jarametti.....	29	Panama.....	1		3	4	Leg injured, falling coal.....	30
	23 J. Polka.....		Staunton.....	1				Body injured, not stated.....	*
	23 John Maccick.....	34	Taylor Springs.....	1		1	2	Leg injured, struck by pipe.....	30
	27 Bert Duckworth.....	37	Viriden.....	1		1	2	Arm broken, coal fell down shaft.....	30
	28 L. Moher.....	23	Nokomis.....	1				1 Body injured, pit car.....	51
	28 J. Zoverals.....	41	do.....	1		1	2	Arm broken, fell.....	*
	30 John Malcor.....	18	Gillespie.....	1				Leg broken, pit car.....	*
May	5 Oliver Cole.....	45	Taylor Springs.....	1		3	4	Body injured, pit car.....	41
	5 Battiste Bonelli.....	42	Panama.....	1		2	3	Finger cut off, blasting cap.....	*
	8 W. Harmon.....	44	Nokomis.....	1		5	6	Eye injured, punch.....	*
	11 George Berriman.....	18	Viriden.....	1				Foot broken, pit car.....	*
	12 John McNally.....	57	Witt.....	1		8	1	Foot injured, flying wedge.....	36
	14 Harry Beck.....	28	Benld.....	1				Arm broken, not stated.....	*
	14 John Fenetti.....	48	do.....	1				1 Ankle injured, falling coal.....	32
	14 Frank Clayton.....	44	Viriden.....	1		4	4	Toe broken, falling prop.....	49
	16 Roy Fike.....	31	Panama.....	1		1	2	Hand broken, pit car.....	*
	17 Harry Cruthis.....	23	do.....	1				Leg broken, pit car.....	*
	18 Andy Pozan.....	46	Taylor Springs.....	1				Body injured, not stated.....	34

NONFATAL CASUALTIES, SEVENTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
May 21	C. Abrell.....	17	Nokomis.....	1	2			Hand injured, pit car.....	*
29	Alphonso Raggetti.....	41	Panama.....	1				Leg broken, falling coal.....	*
31	Henry McKinney.....	50	Viriden.....	1	4			Finger broken, coal fell down shaft.....	39
June 5	Tom Brown.....	27	Benld.....	1				Finger injured, not stated.....	48
6	John Korich.....	36	Witt.....	1	1			Leg injured, falling coal.....	*
7	Thomas Smith.....	19	do.....	1				Leg broken, falling coal.....	*
7	Luther O'Neal.....	33	Panama.....	1	4			Head injured, falling coal.....	*
7	Dale Hood.....	33	Sorento.....	1				Leg broken, falling coal.....	*
9	George Pogue.....	19	Witt.....	1			1	Hand injured, pit car.....	*
12	Joe Magnetti.....	32	Benld.....	1				Ankle injured, falling slate.....	*
14	U. Majowski.....	39	do.....	1				Eye injured, flying coal.....	*
14	Peter Arena.....	43	Witt.....	1	2		3	Body injured, falling coal.....	*
18	Claude Rifeey.....	24	Viriden.....	1				Finger broken, pit car.....	*
22	Vincent Valerio.....	20	Mt. Olive.....	1				Foot injured, motor.....	*
27	Roy Burns.....	19	Gillespie.....	1				Finger broken, sprag.....	*
	Total.....			138	89	334	453		

* Not returned to work, June 30, 1917.

Number injured..... 227 Time lost by men returned, days..... 9,848
 Number not returned to work..... 50 Average days lost..... 55.64

Number returned..... 177

RECAPITULATION OF NONFATAL ACCIDENTS, SEVENTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Benld.....	13	Asst. m. managers.....	2	Burning oil.....	1	Carlville Coal Co.....	8
Carlville.....	8	Blacksmiths.....	2	Caught in mach'y.....	2	C. & E. I. Coal Prop.....	74
Gillespie.....	36	Cagers.....	6	Electric current.....	1	Coffeen Coal Co.....	1
Girard.....	2	Carpenter.....	1	Falling clod.....	1	Consolidated Coal Co.....	31
Hillsboro.....	15	Coupler.....	1	Falling coal.....	45	Hillsboro Coal Co.....	2
Mt. Olive.....	12	Drivers.....	35	Falling rock.....	1	Montour Coal Co.....	6
Nokomis.....	38	Electricians.....	3	Falling slate.....	14	Mt. Olive Coal Co.....	2
Panama.....	22	Foreman.....	1	Fell.....	12	Nokomis Coal Co.....	7
Schram City.....	3	Laborers.....	18	Flying coal.....	8	Royal Colliery Co.....	18
Sorento.....	4	Loaders.....	48	Lifting objects.....	12	Shoal Creek Coal Co.....	25
Staunton.....	25	Machine helpers.....	4	Machine.....	9	Superior Coal Co.....	53
Taylor Springs.....	7	Machine runners.....	11	Motor.....	8		
Viriden.....	22	Miners.....	54	Mule.....	12		
Witt.....	20	Motormen.....	8	Pit cars.....	48		
		Spraggers.....	2	Pushing car.....	3		
		Timbermen.....	6	Struck by objects.....	24		
		Trackmen.....	5	Not stated.....	26		
		Trapper.....	1				
		Trip riders.....	19				
Total.....	227		227		227		227

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES,
CONJUGAL RELATIONS, AND TIME LOST, SEVENTH DISTRICT, JUNE
30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken ¹	4	3	1	7	9	264	88.00	1.76
Ankle injured ¹	4	2	2	.....	12	162	54.00	1.76
Arm broken ²	5	3	2	4	.....	30	39.00	2.20
Arm injured.....	4	2	2	3	5	158	39.50	1.76
Back injured ³	15	7	8	25	32	770	59.23	6.61
Body burned.....	1	1	.....	.....	1	49	49.00	.44
Body injured ⁴	40	27	13	53	82	1,569	59.61	17.62
Collar bone broken ¹	6	3	3	13	16	202	40.40	2.64
Eye destroyed.....	1	1	.....	1	2	50	50.00	.44
Eye injured ³	14	12	2	31	42	650	54.17	6.17
Finger broken ⁴	13	6	7	11	18	430	39.09	5.73
Finger cut off ¹	5	4	1	5	9	182	45.50	2.20
Finger injured ³	11	6	5	20	22	346	38.44	4.84
Foot broken ⁵	9	4	5	12	16	716	102.29	3.97
Foot injured ¹	9	6	3	23	23	465	58.13	3.97
Hand broken ⁶	2	1	1	1	2	.....	.....	.88
Hand cut off.....	1	.....	1	.....	.....	40	40.00	.44
Hand injured ⁵	15	6	9	4	11	490	40.83	6.61
Head injured ⁵	12	9	3	31	34	764	84.89	5.29
Leg broken ⁶	14	8	6	18	27	734	104.86	6.17
Leg injured ²	22	13	9	26	39	1,025	56.94	9.69
Pelvis broken ¹	1	1	.....	5	6	.....	.....	.44
Rib broken ³	12	11	1	35	41	440	44.00	5.29
Shoulder injured.....	2	.....	2	.....	.....	78	39.00	.88
Toe broken.....	3	1	2	4	4	164	54.67	1.32
Toe injured.....	2	1	1	2	3	70	35.00	.88
Total.....	227	138	89	334	453	9,848	55.64	100.00

¹ One not returned to work.

² Four not returned to work.

³ Two not returned to work.

⁴ Nine not returned to work.

⁵ Three not returned to work.

⁶ Seven not returned to work.

GREENE COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	Burl. Wyatt.....	Roodhouse...	2,000	.....	.....	.....	2,000	.....
2	Frank Hopper.....	do.....	1,200	.....	.....	.....	1,200	.....
3	Whitehead Bros.....	do.....	1,144	.....	.....	.....	1,144	.....
4	Greenfield Mining Co.....	Greenfield...	953	.....	.....	.....	953	.....
5	Jas T. Adkins.....	Roodhouse...	420	.....	.....	.....	420	.....
6	Whitehead Bros.....	do.....	350	.....	.....	.....	350	.....
7	Bert Smith.....	do.....	346	.....	.....	.....	336	10
8	Henry Carlton.....	do.....	163	.....	.....	.....	163	.....
9	O. S. Walker.....	do.....	28	.....	.....	.....	28	.....
Total.....			6,604	.....	.....	.....	6,594	10

Mines in 1916, 8. New mines, 3. Abandoned mines, 2. Mines in 1917, 9.

JERSEY COUNTY,

LOCAL MINES.								
1	Bott & Griner.....	Brighton.....	1,320	.....	.....	.....	1,320	.....

Mines in 1916, 1. Mines in 1917, 1.

MACOUPIN COUNTY,

SHIPPING MINES.								
1	Superior Coal Co., No. 3.....	Gillespie.....	1,158,796	.....	.....	1,138,201	4,656	15,939
2	Superior Coal Co., No. 2.....	do.....	1,071,283	.....	.....	1,048,639	4,756	17,838
3	Superior Coal Co., No. 1.....	do.....	885,467	.....	.....	863,218	2,673	19,576
4	Consolidated C. Co., No. 14.....	Staunton.....	760,643	.....	.....	710,187	.....	50,456
5	Consolidated C. Co., No. 7.....	do.....	692,636	.....	.....	654,333	.....	38,303
6	Consolidated C. Co., No. 15.....	Mt. Olive.....	610,040	.....	.....	589,531	.....	20,509
7	Royal Colliery Co., Royal.....	Virden.....	508,007	234,106	.....	254,265	5,059	14,667
8	Montour Coal Co., No. 403.....	Girard.....	318,578	134,661	.....	166,316	11,694	5,907
9	Mt. Olive Coal Co., No. 5.....	Mt. Olive.....	264,515	166,036	15,258	71,414	2,974	8,833
10	Carlinsville Coal Co.....	Carlinsville....	175,344	91,128	4,092	55,376	19,639	5,109
11	Montour Coal Co., No. 402.....	Virden.....	126,917	65,477	.....	54,756	2,267	4,417
12	Ridge Coal Mining Co.....	Greenridge....	6,517	6,254	.....	.....	11	252
Total.....			6,578,833	697,662	19,350	5,606,236	53,729	201,856
LOCAL MINES.								
1	Ed. A. Bauser.....	Bunker Hill..	9,867	.....	.....	.....	9,867	.....
2	C. E. Pitchford.....	Rockbridge..	1,620	.....	.....	.....	1,600	20
3	J. J. Harbaugh.....	Chesterfield..	505	.....	.....	.....	489	16
Total.....			11,992	.....	.....	.....	11,956	36
Total—15 mines.....			6,590,825	697,662	19,350	5,606,236	65,685	201,892

Mines in 1916, 12. New mines, 3. Mines in 1917, 15.

SEVENTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured			Average daily capacity.	Tons prepared during the year.	
40				170	5	2,000									1
				140	1	1,200									2
				230	4	1,144									3
100				131	8	953									4
15				200	1	420									5
				100	5	350									6
38				115	3	346									7
				100	3	163									8
				10	1	28									9
193				135	37	6,604									

SEVENTH DISTRICT, 1917.

				250	4	1,320										1
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SEVENTH DISTRICT, 1917.

6,218		5	1	260	690	1,158,796	12	3	11	8	23					1
5,859		3	1	249	709	1,071,243	45	2	27	4	34					2
5,724		4	5	238	674	885,467	13	3	15	5	34					3
4,212		3	5	239	622	760,643	22	3	12	7	31					4
3,729		2	1	239	569	692,635	9	4	19	7	18					5
3,434		3	3	177	599	610,040	29			12	31					6
9,908	600	5	1	233	456	508,037	14	2	18	3	30					7
15,698		6	1	244	317	318,578			3	12	24					8
1,513		2	1	184	240	244,515	18	1	2	12	15					9
10,021		4	1	244	182	175,344		2	8	12	12					10
5,507		3	1	150	216	94,143				2	12					11
227		1	1	38	68	6,517	3		3	1	3					12
72,058	600	41	22	210	5,392	594,582	5,984,251	165	20	118	47	267				
80		1	1	270	13	9,837	1									1
20		1		150	7	1,620										2
		1		150	2	505										3
100		3	1	190	22	2,125	9,867	1								
72,158	600	44	23	206	5,384	596,707	5,994,118	166	20	118	47	267				

MONTGOMERY COUNTY,

Number.	Name of operator.	Postoffice address of the mine	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed, or wasted at the mine.
SHIPPING MINES.								
1	Shoal Creek C. Co., No. 1 . . .	Panama.....	680,946	283,147	25	356,062	3,262	38,450
2	C. & E. I. Coal Prop., No. 14	Witt.....	645,778	638,644				7,134
3	Nokomis Coal Co., No. 1....	Nokomis.....	605,868	586,834			4,557	14,477
4	C. & E. I. Coal Prop., No. 10	do.....	594,411	199,840		393,378	302	891
5	C. & E. I. Coal Prop., No. 11	Hillsboro.....	481,224	427,742		48,124	1,090	4,268
6	Hillsboro Coal Co.....	do.....	328,839	202,444		101,148	15,382	9,865
7	C. & E. I. Coal Prop., No. 12	Witt.....	167,163	159,209			5,551	2,403
8	Coffeen C. M. Co., No. 2....	Coffeen.....	97,390	97,390				
9	C. & E. I. Coal Prop., No. 15	Taylor Spr'gs	40,057	24,207		15,037	75	738
Total—9 mines.....			3,641,676	2,619,457	25	913,749	30,219	78,226

Mines in 1916, 7. New mines, 2. Mines in 1917, 9.

SEVENTH DISTRICT, 1911.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.		Coal washers or other special preparing plant.	
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.	Number of animals underground.	Number in use.	Average daily capacity.	Tons prepared during the year.
.....	124,475	4	2	275	548	.....	680,946	22	2	25	6	26	.....	.....
5,707	.....	2	4	212	662	645,778	.....	.....	2	14	11	1	.....	.....
5,202	.....	3	5	194	465	.....	605,868	18	1	7	11	2	.....	.....
4,121	.....	5	3	190	585	.....	594,411	27	2	31	15	.....	.....	.....
3,792	.....	5	5	262	348	.....	481,224	17	1	19	2	25	.....	.....
2,706	.....	3	2	247	272	.....	328,839	10	1	2	4	18	.....	.....
1,718	.....	3	2	154	287	127,778	39,385	5	3	6	2	21	.....	.....
4,442	.....	3	3	142	175	96,090	1,300	1	.....	1	1	10	.....	.....
881	500	1	3	65	234	16,025	24,032	3	.....	4	2	9	.....	.....
28,569	124,975	29	29	193	3,576	885,671	2,756,005	103	12	109	54	112	.....	.....

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Disposition of output.					Kegs of powder used for blasting.	Pounds of permissible explosives used.
			Total output.	Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.	
1	Macoupin.....	12	6,578,833	697,662	19,350	5,606,236	53,729	201,856	72,058
2	Montgomery.....	9	3,641,676	2,619,457	25	913,749	30,219	78,226	28,569
	Total.....	21	10,220,509	3,317,119	19,375	6,519,985	83,948	280,082	100,627
									125,575

LOCAL MINES, RECAPITULATION BY

1	Greene.....	9	6,604	.....	.....	.....	6,594	10	193	.....
2	Jersey.....	1	1,320	.....	.....	.....	1,320	.....	.....	.....
3	Macoupin.....	3	11,992	.....	.....	.....	11,956	36	100	.....
	Total.....	13	19,916	.....	.....	.....	19,870	46	293	.....
	The district.	34	10,240,425	3,317,119	19,375	6,519,985	103,818	280,128	100,920	125,575

ALL MINES, RECAPITULATION BY

1	Greene.....	9	6,604	.....	.....	.....	6,594	10	193	.....
2	Jersey.....	1	1,320	.....	.....	.....	1,320	.....	.....	.....
3	Macoupin.....	15	6,590,825	697,662	19,350	5,606,236	65,685	201,892	72,158	600
4	Montgomery.....	9	3,641,676	2,619,457	25	913,749	30,219	78,226	28,569	124,975
	Total.....	34	10,240,425	3,317,119	19,375	6,519,985	103,818	280,128	100,920	125,575

Whole number of mines reported for 1916, 28.

Number of new and reopened mines during the year, 8.

Number of mines abandoned during the year, 2.

Whole number of mines reported for 1917, 34.

COUNTIES, SEVENTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
210	5,362	594,582	5,984,251	165	20	118	47	267	12
193	3,576	885,671	2,756,005	103	12	109	54	.....	.....	.....	.....
203	8,938	1,480,253	8,740,256	268	32	227	101	267	.....	.....	.....

COUNTIES, SEVENTH DISTRICT, 1917.

136	37	6,604	123
250	4	1,320	.....	.....	.....	.....	.....	.....	.....	.....	.....
190	22	2,125	9,867	1	.....	.....	.....	.....	.....	.....	.....
157	63	10,049	9,867	1	185
185	9,001	1,490,302	8,750,123	269	32	227	101	267	.....	.....	.....

COUNTIES, SEVENTH DISTRICT, 1917.

136	37	6,604	1234
250	4	1,320	.....	.....	.....	.....	.....	.....	.....	.....	.....
205	5,384	596,707	5,994,118	166	20	118	47	267	.....	.....	.....
193	3,576	885,671	2,756,005	103	12	109	54	185
185	9,001	1,490,302	8,750,123	269	32	227	101	267	.....	.....	.....

EIGHTH INSPECTION DISTRICT.

COUNTIES—BOND, CLINTON, MADISON AND MARION. JOHN KANEY, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Eighth District, comprising the coal producing counties of Bond, Clinton, Madison and Marion.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	4
Number of shipping mines.....	25
Number of local mines.....	11
Number of new or reopened mines.....	6
Number of closed or abandoned mines.....	1
Number of men underground.....	6,051
Number of boys underground.....	156
Number of men outside the mine.....	610
Number of boys outside the mine.....	4
Total number of employees.....	6,821
Total tons of coal produced.....	7,667,369
Days of active operation, all mines.....	189
Kegs of powder used for blasting coal.....	114,418
Number of fatal accidents.....	17
Number of nonfatal accidents.....	178
Number of employees to each fatal accident.....	401
Number of employees to each nonfatal accident.....	38
Tons of coal produced to each fatal accident.....	451,022
Tons of coal produced to each nonfatal accident.....	43,075
Ratio of fatal accidents per 1,000 employees.....	2.49

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Bond.....	107,895	210	129	56,482	133	99	51,413	77	30	.....	.....	.....
Clinton.....	1,426,594	178	1,401	1,395,588	233	1,239	31,006	.....	162	.....	55	.....
Madison.....	5,044,261	190	4,246	3,768,430	183	3,805	1,275,831	7	441	.....	.....	.....
Marion.....	1,088,619	194	1,045	900,493	182	1,046	188,126	12	.....	.....	.....	1
Total and average	7,667,369	189	6,821	6,120,993	187	6,189	1,546,376	.....	633	.....	.....	1
Net.....	.....	.....	.....	.....	.....	.....	1,546,376	2	632	.....	.....	.....

NEW AND REOPENED MINES.

Clinton County.—Consolidated Coal Co., Breese.

Madison County.—Mt. Olive & Staunton Coal Co. No. 1, Staunton; Lumaghi Coal Co. No. 3, Collinsville; Beck-White Coal Co. No. 1, Edwardsville; A. Decota, Bethalto; Charles Brueggeman, Alton.

ABANDONED MINES.

Madison County.—Peter Meyers, Bethalto.

CHANGE OF NAME.

Edwardsville Home Trade Coal Co. to Madison County Mining Co. No. 1; F. W. Eilers to John Kowalzeki.

IMPROVEMENTS.

The New Staunton Coal Company, Livingston, Madison County, has installed a coal crusher which has a capacity of 500 tons per hour.

The North Breese Coal & Mining Company, Breese, Clinton County, has installed a Scotdale coal crusher with a capacity of 200 tons per hour, at a cost of \$7,000.

The Breese-Trenton Mining Company, Beckemeyer, Clinton County, has installed a Jeffrey Roller Type coal crusher, having a capacity of 200 tons per hour, driven by a Russell 100-horsepower engine belt. This crusher connects to a Jeffrey coal conveyor, having a capacity of 250 tons per hour, which empties into two 15-ton storage bins.

The Kerens-Donnewald Coal Company, Worden, Madison County, has erected an up-to-date wash house, 18 by 18 feet, with nine sprays and an abundance of hot and cold water.

The Lumaghi Coal Company has installed at No. 2 mine, Collinsville, Madison County, two storage battery motors having 300 amperes per hour with 45 cells and 25 plates with each cell, which will improve the haulage problem of this mine. A new 5-foot booster fan has been installed, which will provide adequate ventilation for this mine. This company has also installed, at No. 3 mine, a storage battery motor, capacity 320 amperes, 96 volts, speed of 6 miles per hour, length of haulage 3,200 feet. Two self-dumping cages are on the ground and will be put in.

Donk Bros. Coal & Coke Company has installed three 5-foot booster fans at No. 2 mine, Maryville, Madison County. This makes six booster fans in this mine. This company has put in a booster fan at No. 1 mine, Collinsville, Madison County, improving the ventilation very satisfactorily.

FATAL ACCIDENTS.

July 8, 1916, Martin Rassau, driver, age 23 years, single, was killed by pit cars in Lumaghi Coal Company's mine, No. 2, Collinsville, Madison County.

August 13, 1916, Paul Ruhl, driver, age 20 years, single, died from injuries received August 5, when he was struck by a pit car, in Mt. Olive and Staunton Coal Company's mine No. 2, Williamson, Madison County.

September 11, 1916, N. S. Parkinson, laborer, age 40 years, married, was killed by railroad cars at the Marion County Coal Company's mine No. 1, Glen Ridge, Marion County. He leaves a widow and four children.

September 12, 1916, Mike Tinekite, driver, age 35 years, married, fell under a trip of cars and killed in Lumaghi Coal Company's No. 2 mine, Collinsville, Madison County. He leaves a widow and four children.

October 10, 1916, Charley Vickroy, driver, age 21 years, married, was crushed to death between pit cars and coal rib in Lumaghi Coal Company's No. 2 mine, Collinsville, Madison County. He leaves a widow and one child.

November 3, 1916, Antone Tomulionis, miner, age 42 years, married, was struck on the head by falling face coal and instantly killed in Lumaghi Coal Company's No. 2 mine, Collinsville, Madison County. He leaves a widow and two children.

November 6, 1916, John Seroki, miner, age 43 years, married, was killed in Southern Coal, Coke & Mining Company's No. 9 mine, New Baden, Clinton County, by falling slate. He leaves a widow and four children.

November 10, 1916, John Bouman, machine runner, age 30 years, single, was killed by falling slate in Mt. Olive and Staunton Coal Company's mine No. 2, Williamson, Madison County.

November 17, 1916, Peter Lutvemapect, miner, age 45 years, married, employed in the New Staunton Coal Company's mine, Livingston, Madison County, was instantly killed by a fall of rock. He leaves a widow and two children.

November 21, 1916, Barney Sobut, machine helper, age 21 years, single, died from injuries received October 18, by being struck by a fall of slate from face in New Staunton Coal Company's mine, Livingston, Madison County.

December 28, 1916, Edward McClain, machine runner, age 36 years, married, was killed by falling coal in Southern Coal, Coke & Mining Company's mine No. 9, New Baden, Clinton County. He leaves a widow and four children.

January 8, 1917, Louis Wille, laborer, age 33 years, married, employed by Donk Brothers Coal and Coke Company, mine No. 2, Maryville, Madison County, was killed by pit cars. He leaves a widow and two children.

January 9, 1917, William Tweede, machine runner, age 33 years, married, was killed by an electric shock in Kerns-Donnewald Coal Company's mine, Worden, Madison County. He leaves a widow and two children.

February 9, 1917, William Helger, machine runner, age 34 years, married, was killed by a fall of coal in Donk Brothers Coal & Coke Company's No. 2 mine, Maryville, Madison County. He leaves a widow.

March 10, 1917, Jonah Mayer, miner, age 65 years, married, was killed by falling clod in Donk Brothers Coal & Coke Company's No. 1 mine, Donkville, Madison County. He leaves a widow.

April 6, 1917, Nicholas Koheman, miner, age 34 years, married, was killed by falling slate in Kerns-Donnewald Coal Company's mine, Worden, Madison County. He leaves a widow and five children.

April 27, 1917, Joe Piazzie, machine helper, age 33 years, single, was killed in Donk Brothers Coal and Coke Company's No. 2 mine, Maryville, Madison County, by a fall of coal.

Respectfully submitted,

ROBERT PETTIGREW,
State Inspector of Mines, Troy, Illinois.

FATAL CASUALTIES, EIGHTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
July 8	Martin Rassau.....	23	Driver.....	Collinsville.....	1	1				Pit car.
Aug. 13	Paul Ruhl.....	20	do.....	Staunton.....	1					Pit car.
Sept. 11	N. S. Parkinson.....	40	Laborer.....	Sandoval.....	1	1	4	5		Railroad cars
12	Mike Tinekite.....	35	Driver.....	Collinsville.....	1	1	4	5		Pit cars.
Oct. 10	Charles Vickroy.....	21	do.....	do.....	1	1	1	2		Pit cars.
Nov. 3	Anton Tomulionis.....	42	Miner.....	Troy.....	1	1	2	3		Falling coal.
6	John Seroki.....	43	do.....	New Baden.....	1	1	4	4		Falling slate.
10	John Bouman.....	30	Machine runner	Staunton.....	1			1		Falling slate.
17	Pete Lutvemapect.....	45	Miner.....	Livingston.....	1	1	2	3		Falling rock.
21	Barney Sobut.....	21	Machine helper	do.....	1			1		Falling slate.
Dec. 28	Edward McClain.....	36	Machine runner	New Baden.....	1	1	4	5		Falling coal.

FATAL CASUALTIES, EIGHTH DISTRICT, JUNE 30, 1917 - concluded.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1917										
Jan. 8	Louis Wille.....	33	Laborer.....	Maryville.....	1		1	2	3	Pit cars.
9	Wm. Tweede.....	33	Machine runner	Worden.....	1		1	2	3	Electrocuted.
Feb. 9	Wm. Helger.....	36	do.....	Collinsville.....	1		1		1	Falling coal.
Mar. 10	Jonah Mayer.....	65	Miner.....	do.....	1		1		1	Falling clod.
Apr. 6	Nicholas Koheman..	31	do.....	Worden.....	1		1	5	6	Falling slate.
27	Joe Piazzi.....	33	Machine helper	Maryville.....	1		1			Falling coal.
	Total.....				12		5	12	30	42

RECAPITULATION OF FATAL ACCIDENTS, EIGHTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Collinsville.....	5	Drivers.....	4	Electrocuted.....	1	Donk Bros. C. & C. Co.	4
Livingston.....	2	Laborers.....	2	Falling clod.....	1	Kerns Donnwald C. Co.	2
Maryville.....	2	Machine helpers.....	2	Falling coal.....	4	Lumaghi Coal Co.....	4
New Baden.....	2	Machine runners.....	4	Falling rock.....	1	Marion Co. Coal Co.....	1
Sandoval.....	1	Miners.....	5	Falling slate.....	4	Mt. Olive & S. C. Co.....	2
Staunton.....	2			Pit cars.....	5	New Staunton Coal Co.	2
Troy.....	1			Railroad cars.....	1	Southern C. C. & M. Co.	2
Worden.....	2						
Total.....	17		17		17		17

NONFATAL CASUALTIES, EIGHTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Child en.	Dependents.	Character of injury and cause of accident.	Time lost - days.
1916									
July 5	H. H. Hoskinson.....	30	Odin.....	1		3	4	Ribs broken, falling coal.....	50
11	Ben Koch.....	38	Breese.....	1		3	4	Leg broken, not stated.....	138
11	Geo. Aris.....	23	Livingston.....	1				Foot injured, pit car.....	110
24	John Anderson.....	42	Williamson.....	1		3	4	Body injured, fell off car.....	68
Aug. 1	Bud Knight.....	32	Centralia.....	1		2	3	Rib broken, machine.....	48
2	Ray Smith.....	26	do.....	1			1	Leg broken, machine.....	54
11	Wm. Burian.....	46	Glen Carbon.....	1			1	Body injured, pit car.....	*
19	John W. Pickering.....	38	Pocahontas.....	1		4	5	Leg injured, pit car.....	50
25	Tony Lucas.....	45	Maryville.....	1		6	7	Shoulder broken, pit car.....	53
29	Louis Vannerger.....	49	Trenton.....	1			1	Leg broken, falling coal.....	35
30	D. Davis.....	50	Troy.....	1				Back injured, falling cross bar.....	35
31	John Wamckenski.....	28	Collinsville.....	1				Ribs broken, falling slate.....	*
Sept. 6	Lucun Kennett.....	34	New Baden.....	1			1	Leg injured, falling coal.....	30
7	Chas. Pryde.....	48	Sandoval.....	1			1	Leg broken, pit car.....	120
8	Pete Peila.....	23	Collinsville.....	1				Finger injured, hammer.....	44
8	Geo. Burgess.....	22	do.....	1			1	Body injured, mule.....	44
9	Stanley Haluck.....	41	Maryville.....	1		2	3	Body injured, fell on rail.....	40
11	Rimonda Cassona.....	29	Livingston.....	1				Finger broken, falling coal.....	83
12	Mike Konopski.....	30	Maryville.....	1				Ankle injured, pit car.....	58
13	Wm. Firke, Sr.....	69	Worden.....	1		3		Toe injured, falling clod.....	33
14	Thomas Smith.....	40	Maryville.....	1				Finger injured, pit car.....	32
18	Ed. Hill.....	24	Williamson.....	1		1	2	Leg broken, falling clod.....	150
19	Alvin Jubett, Jr.....	23	Livingston.....	1			4	Leg broken, fell off car.....	17
25	S. Sapinto.....	21	Glenridge.....	1				Foot injured, falling coal.....	48
25	Joe Mlekush.....	21	Staunton.....	1				Back injured, fell off car.....	30
26	Charles Hardick.....	22	Livingston.....	1				Finger injured, pit car.....	43
29	John Citrok.....	38	do.....	1			1	Leg broken, falling slate.....	*

NONFATAL CASUALTIES, EIGHTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
Oct. 5	Frank Zergie	19	Williamson	1				Leg injured, jumped off car	39
10	Thos. Bunn	18	New Baden	1				Shoulder injured, mule	60
14	Pete Ilous	53	Collinsville	1				Hand injured, falling slate	35
19	John Forrichno	50	Staunton	1		1		Foot injured, falling timber	*
21	Dom Ottins	34	New Douglas	1		2		Eye injured, flying coal	239
21	Andrew Kidas	60	Edwardsville	1				Foot injured, falling clod	31
23	Ernest Jester	40	Maryville	1		4		Leg burned, hot ashes	44
28	Joseph Scott	32	Edwardsville	1				Finger cut off, falling coal	30
30	Edward Primas	20	Glen Carbon	1				Leg broken, pit car	158
Nov. 30	Bert. Biggins	35	Collinsville	1		3		Leg broken, cage	150
11	Angelo Fosel	39	Livingston	1		4		Body burned, gas explosion	101
11	V. Seganfede	28	do.	1				do.	74
15	E. Duckett	33	Troy	1				Back injured, falling cross bar	35
20	Louis Votrain	23	Edwardsville	1				Leg broken, falling clod	87
24	Wm. Gestant	35	Livingston	1				Arm broken, pit car	70
29	Mike Dugas	68	do.	1		2		Finger injured, falling rock	34
Dec. 2	Thomas Slatan	37	Odin	1		3		Leg broken, kicked by mule	60
2	Sam Garback	38	Maryville	1				Leg injured, falling coal	45
6	Wm. Sido	38	Edwardsville	1		6		Body injured, railroad car	60
6	Ed. Grootz	58	Collinsville	1		6		Toe injured, falling coal	30
7	James Cureura	38	Livingston	1		1		2 Rib broken, falling slate	32
7	Albert Koehler	48	Edwardsville	1				Leg broken, falling clod	100
9	John Dalposso	26	Staunton	1				Foot injured, falling coal	*
13	Pete Hollovich	17	do.	1				Finger injured, pit car	89
16	A. Priczkitus	39	Maryville	1				Eye injured, flying coal	74
19	Andy Ackerman	25	Edwardsville	1		2		Leg broken, falling clod	98
19	Geo. Jacobat	45	Collinsville	1				Head injured, falling slate	76
24	Walter Hearne	35	Maryville	1		4		Leg injured, falling slate	32
28	Chas. Hamor	36	Edwardsville	1		6		Body injured, falling coal	32
28	Jno. Romanitus	35	Maryville	1				Shoulder broken, falling slate	62
30	Frank Nordman	38	Breese	1		7		Foot broken, falling slate	66
30	Fritz Shomfield	53	do.	1				Foot injured, not stated	44
1917									
Jan. 4	Fred Timmerman	22	Germantown	1		7		Foot broken, falling slate	66
4	Max Angello	22	Williamson	1				Foot injured, pit car	49
8	August Munkoth	36	New Baden	1				Arm broken, sho. explosion	90
8	Paul Comper	23	Centralia	1				Back injured, falling coal	30
10	Morris Fosi	35	Livingston	1				Shoulder broken, falling slate	49
11	Evangelos Elenio	30	do.	1				Leg injured, pit car	74
15	Joe Fornero	40	Maryville	1		4		Leg broken, machine	135
15	Phillip Schwaab	27	Collinsville	1				Finger broken, pit car	63
17	H. Sanders	18	do.	1				Ankle injured, pit car	56
17	John Modene	20	Glen Carbon	1				Foot broken, switch frog	34
19	J. Berterello	48	Troy	1		5		Hand injured, falling slate	30
23	Henry Dupont	17	Livingston	1				Finger cut off, pit car	69
24	Angelo Cordonia	40	Maryville	1		1		Foot broken, machine	120
25	R. Phenis	39	Sandoval	1		3		Shoulder broken, pit car	30
27	Ed. Mayberry	28	do.	1		3		Leg injured, pit cars	30
27	W. J. Coatney	48	Glen Carbon	1				Body injured, flying coal	35
29	Joe Guger	44	New Baden	1				Foot broken, falling slate	45
30	Andy Novatney	54	Livingston	1		5		Leg broken, falling rock	*
31	Henry Brewer	42	O'Fallon	1		6		Leg broken, falling coal	*
Feb. 2	Geo. Schiller	38	Collinsville	1		4		Fingers injured, jack pipe	33
3	Samuel Cartwright	48	Edwardsville	1				Leg broken, falling rock	*
5	Joe Burian	28	Glen Carbon	1				Shoulder injured, pit car	38
5	Wm. Parrish	25	Sandoval	1				do.	35
6	S. S. Avis	65	Troy	1				Body injured, pitcar	134
7	Hy. Venhans, Sr.	48	Breese	1		3		Legs broken, falling coal	*
9	Frank Swain	63	Worden	1		2		Foot injured, falling clod	44
10	Fred Chestinick	16	Livingston	1				Body injured, pit car	40
10	Thos. O'Laughlin	50	Centralia	1				Eye injured, flying coal	30
12	J. L. Hagler	56	Troy	1		1		Leg injured, falling coal	34
12	F. Ramshaw	27	do.	1				Finger broken, falling timber	30
12	Louis Pettino	30	Collinsville	1				Ankle injured, jack pipe	34
13	L. Friend	24	Sandoval	1				Leg broken, falling clod	60
17	R. H. Mantle	48	Troy	1		1		Foot injured, falling slate	37
17	Morgan Reese	47	Williamson	1		1		Leg broken, falling rail	113
17	Jerry Dewey	35	Collinsville	1				Body injured, pit car	38
19	Edward Linck	27	New Baden	1		3		Leg broken, pit car	90
19	B. Sinski	35	Troy	1				Eye injured, flying sulphur	44
20	Jas. Chiado	30	Collinsville	1		2		Eye injured, flying coal	62

NONFATAL CASUALTIES, EIGHTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Feb. 20	Tony Delposo.....	21	Worden.....	1	1			Leg broken, falling coal.....	132
	22 Ify Herman.....	33	New Baden.....	1	1			Hand broken, struck jack screw.....	35
	22 Nat. Stefani.....	32	Williamson.....	1	3			Foot injured, falling rock.....	45
	25 Chas. Schlecta.....	35	Staunton.....	1	4			Finger cut off, machine.....	60
Mar.	2 Missinio Libbra.....	35	Livingston.....	1	3			Foot broken, falling slate.....	95
	5 Geo. Whyers.....	21	Edwardsville.....	1	1			Leg broken, pit car.....	31
	6 G. Berto.....	25	Livingston.....	1	1			Arm injured, falling coal.....	70
	6 M. Komensky.....	52	Glen Carbon.....	1	1			Eye injured, flying coal.....	35
	7 Antone Pehmangel.....	56	Livingston.....	1	1			Leg broken, falling coal.....	*
	7 Herman Wille.....	38	Maryville.....	1	3			Finger broken, falling coal.....	31
	8 Joe Whyers.....	28	Edwardsville.....	1	1			Shoulder broken, falling slate.....	*
	8 Ed. Mengelkamp.....	16	Staunton.....	1	1			Toe broken, pit car.....	76
	8 Wm. Haddick.....	33	Collinsville.....	1	1			Eye injured, flying coal.....	57
	9 Andrew Samke.....	34	Livingston.....	1	2			Finger injured, lifting coal.....	55
	10 Dominic Lero.....	31	do.....	1	2			Back injured, falling clod.....	*
	10 Gus Wicker.....	54	Centralia.....	1	1			Foot broken, falling coal.....	40
	13 Geo. Mellulis.....	39	New Baden.....	1	3			Leg injured, pit car.....	45
	14 John Papeiko.....	29	Collinsville.....	1	1			Toe broken, falling slate.....	*
	19 Jim Samson.....	46	Livingston.....	1	4			Finger broken, falling slate.....	65
	20 John Carbovetty.....	25	Collinsville.....	1	1			Hand broken, pit cars.....	*
	27 Floyd Herrin.....	23	Breese.....	1	1			Ribs broken, kicked by mule.....	30
	27 Wm. Heck.....	36	Glen Carbon.....	1	1			Eye injured, flying coal.....	47
	27 Chas. Swain.....	30	Worden.....	1	1			Finger injured, machine.....	132
	30 Pete Gorie.....	50	Williamson.....	1	4			Leg injured, cage.....	*
	31 B. Cerasoni.....	37	Collinsville.....	1	1			Back injured, lifting coal.....	*
Apr.	4 Bert Mauley.....	45	Breese.....	1	3			Finger injured, nail.....	47
	4 Adam Kreiter.....	23	do.....	1	1			Finger injured, not stated.....	*
	5 Alonzo Hogan.....	34	Collinsville.....	1	1			Finger injured, pick.....	*
	6 Dewey Wilkerson.....	19	Glen Carbon.....	1	1			Foot injured, falling coal.....	31
	6 Jas. Rable.....	43	Carlyle.....	1	5			Arm injured, pit car.....	45
	7 Shearman Uhls.....	44	Oltn.....	1	6			Leg broken, falling slate.....	90
	7 Ed. Wallman.....	39	Staunton.....	1	3			do.....	*
	10 Andy Young.....	40	Beckemeyer.....	1	2			Body injured, falling coal.....	45
	13 George Swickand.....	30	Centralia.....	1	1			Leg broken, falling coal.....	60
	14 John Ugolia.....	32	Collinsville.....	1	2			Back injured, lifting slate.....	*
	16 F. Berning.....	18	Centralia.....	1	1			Shoulder broken, motor.....	50
	19 John Vaneek.....	40	Glen Carbon.....	1	1			Shoulder injured, falling prop.....	57
	23 Bernie Norock.....	30	Livingston.....	1	1			Ankle injured, falling slate.....	55
	25 Wm. Hoeing.....	60	Troy.....	1	3			Eye injured, flying coal.....	54
	27 Matt. Frankovich.....	48	Livingston.....	1	6			Head injured, tail chain.....	*
	30 Anton Fommers.....	23	Breese.....	1	1			Ankle injured, not stated.....	49
May	2 Vito Fumiati.....	38	Livingston.....	1	8			Pelvis broken, falling coal.....	*
	2 Frank Flovanich.....	25	Williamson.....	1	1			Finger broken, ear door.....	61
	3 Jno. Bibcoe.....	24	Maryville.....	1	1			Leg broken, falling slate.....	*
	5 Ed. Lewis.....	58	Worden.....	1	1			Ankle injured, falling clod.....	43
	8 Gideon Simpson.....	43	Collinsville.....	1	3			Leg broken, pit car.....	*
	10 Dominic Sobut.....	24	Livingston.....	1	1			do.....	*
	11 Fred Sartori.....	28	do.....	1	1			do.....	*
	14 Lawrence Pomatto.....	19	do.....	1	1			Head injured, falling slate.....	*
	14 George Arys.....	22	do.....	1	1			Arm injured, pit car.....	*
	14 Joe Voss.....	23	Breese.....	1	1			Finger broken, pit car.....	*
	16 Chas. Goodall.....	30	New Baden.....	1	4			Foot injured, motor.....	35
	16 Louis Gornero.....	27	Maryville.....	1	1			Ribs broken, pit car.....	*
	18 John Mastalich.....	22	Staunton.....	1	1			Jaw broken, falling slate.....	*
	19 Frank Domersick.....	36	Livingston.....	1	1			Leg broken, pit car.....	*
	19 Frank Kaiser.....	42	Collinsville.....	1	2			Leg broken, falling slate.....	*
	19 Thos. Gannon.....	56	do.....	1	1			Body injured, falling slate.....	*
	20 Fred Schwer.....	19	Edwardsville.....	1	1			Ankle sprained, not stated.....	*
	23 Jas. McGrath.....	42	Glen Carbon.....	1	2			Rib broken, falling slate.....	*
	25 Pete Zelphus.....	33	Livingston.....	1	1			Leg injured, machine.....	30
	25 Oliver Bosomworth.....	18	Maryville.....	1	1			Leg broken, pit car.....	*
	24 Enoch Mojaika.....	32	Beckemeyer.....	1	1			Collar bone broken, pit cars.....	30
June	6 Carl Oehler.....	17	Staunton.....	1	1			Foot injured, cage.....	*
	7 D. Comlomitti.....	48	Collinsville.....	1	6			Toe broken, falling slate.....	*
	8 Henry Lallman.....	19	Beckemeyer.....	1	1			Arm injured, pit car.....	35
	9 Wm. Wachowie.....	19	Glen Carbon.....	1	1			Foot injured, falling rail.....	30
	11 Geo. Milicevic.....	23	Williamson.....	1	1			Arm broken, pit car.....	*
	12 Fay Fenwick.....	18	Livingston.....	1	1			Hand injured, pit car.....	*
	13 Charles Hodick.....	22	do.....	1	1			Hand broken, pit car.....	*
	15 B. Barto.....	34	Maryville.....	1	1			Back injured, falling slate.....	*
	16 Dom Yonks.....	55	Centralia.....	1	1			Hand injured, falling coal.....	30
	16 R. Hacklaltimer.....	28	Maryville.....	1	1			Leg injured, pit car.....	*

NONFATAL CASUALTIES, EIGHTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
June 18	Wm. Miller.....	20	Glen Carbon.....	1	1	1	2	Foot injured, pit car.....	**
20	Pete Orico.....	30	Williamson.....	1	1	1	2	Leg injured, fell into sump.....	**
21	Fred Soens.....	18	do.....	1	1	1	2	Foot broken, pit car.....	**
21	John Demartina.....	40	Livingston.....	1	1	3	4	Leg broken, falling slate.....	**
23	Aug. Knemoeller.....	38	Staunton.....	1	1	1	2	Leg injured, pit cars.....	**
23	Angelo Cordona.....	40	Maryville.....	1	1	1	2	Toe injured, jack pipe.....	30
25	Geo. East.....	45	Collinsville.....	1	1	1	2	Leg injured, machine.....	**
25	Jos. Zelinek.....	35	do.....	1	1	1	2	Body injured, pit car.....	**
27	Wm. De Vries.....	25	Staunton.....	1	1	1	1	Leg broken, pit car.....	**
	Total.....			97	81	225	320		

* Not returned to work June 30, 1917.

Number injured.....	178	Time lost by men returned, days.....	7,547
Number not returned.....	52	Average days lost.....	59.90
Number returned.....	126		

RECAPITULATION OF NONFATAL ACCIDENTS, EIGHTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident	No.	Colliery.	No.
Beckemeyer.....	3	Asst. mine manager	1	Cage.....	3	Breese-Trenton M. Co..	8
Breese.....	9	Blacksmith.....	1	Falling clod.....	11	Chicago-Sandoval C. Co.	5
Carlyle.....	1	Cagers.....	3	Falling coal.....	23	City Coal Co.....	3
Centralia.....	8	Drivers.....	35	Falling rock.....	4	Consolidated Coal Co..	5
Collinsville.....	25	Electrician.....	1	Falling slate.....	29	Donk Bros. C. & C. Co.	44
Edwardsville.....	11	Foreman.....	1	Fell.....	6	East Side Coal Co.....	3
Germantown.....	1	Laborers.....	17	Flying coal.....	9	Kerns-Donnewald C. Co.	5
Glen Carbon.....	12	Loaders.....	24	Gas explosion.....	2	Lumaghi Coal Co.....	11
Glenridge.....	1	Machine helpers.....	5	Lifting objects.....	3	Madison Coal Corp.....	12
Livingston.....	33	Machine runners.....	17	Machine.....	8	Madison Co. Mining Co.	2
Maryville.....	18	Miners.....	56	Motor.....	2	Marion Co. Coal Co.....	9
New Baden.....	8	Motormen.....	3	Mule.....	4	Mt. Olive & S. C. Co...	21
New Douglas.....	1	Timbermen.....	4	Pit cars.....	48	New Staunton C. Co...	35
Odin.....	3	Trackman.....	1	Railroad cars.....	1	North Breese Coal Co...	3
O'Fallon.....	1	Trappers.....	3	Shot explosion.....	1	Odin Coal Co.....	3
Pocahontas.....	1	Trip riders.....	6	Struck by objects.....	19	Pocahontas Mining Co..	1
Sandoval.....	5			Not stated.....	5	Southern C., C. & M. Co.	8
Staunton.....	11						
Trenton.....	1						
Troy.....	9						
Williamson.....	11						
Worden.....	5						
Total.....	178		178		178		178

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CON-
JUGAL RELATIONS, AND TIME LOST, EIGHTH DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle injured ¹	7	1	6	1	3	295	49.17	3.93
Arm broken ¹	3	1	2	—	1	160	80.00	1.69
Arm injured ¹	4	1	3	5	6	150	50.00	2.25
Back injured ²	8	3	5	5	8	130	32.50	4.49
Body burned.....	2	1	1	4	5	175	87.50	1.12
Body injured ³	13	9	4	19	28	536	53.60	7.30
Collar bone broken.....	1	—	1	—	—	30	30.00	.56
Eye injured.....	9	6	3	8	11	642	71.33	5.06
Finger broken ¹	7	3	4	7	10	333	55.50	3.93
Finger cut off.....	3	1	2	4	6	159	53.00	1.69
Finger injured ⁴	11	5	6	11	16	509	56.56	6.18
Foot broken ¹	8	5	3	18	23	466	66.57	4.49
Foot injured ²	15	6	9	11	15	504	45.45	8.42
Hand broken ¹	3	—	3	—	—	35	35.00	1.69
Hand injured ¹	3	2	1	5	7	65	37.50	1.69
Head injured ³	5	2	3	7	9	106	53.00	2.81
Leg broken ²	56	24	12	51	79	2,036	101.80	20.22
Leg injured ²	16	12	4	26	38	483	40.25	8.99
Pelvis broken ¹	1	1	—	8	9	—	—	.56
Rib broken ²	7	6	1	9	15	160	40.00	3.93
Shoulder broken ¹	6	3	3	10	13	244	48.80	3.37
Shoulder injured.....	4	1	3	—	1	190	47.50	2.25
Toe broken ⁴	3	2	1	6	8	76	76.00	1.69
Toe injured ¹	3	2	1	10	6	63	31.50	1.69
Total.....	178	97	81	225	320	7,547	59.90	100.00

¹ One not returned to work.² Four not returned to work.³ Three not returned to work.⁴ Two not returned to work.⁵ Sixteen not returned to work.

BOND COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Pocahontas M. Co., No. 1....	Pocahontas...	107,895	79,882	.....	20,000	4,013	4,000

Mines in 1916, 1. Mines in 1917, 1.

CLINTON COUNTY,

SHIPPING MINES.								
1	Southern C., C. & M. Co., No. 9	New Baden..	499,640	465,372	.....	7,425	3,420	23,423
2	Breese Trenton M. Co., Buxton	Beckemeyer..	319,630	161,168	.....	138,930	5,815	15,717
3	No. Breese C. M. Co., N. Mine.	Breese.....	278,229	206,635	.....	63,043	.....	8,551
4	Breese Trenton M. Co., E. B..	..do.....	234,396	139,195	61,681	16,694	9,310	7,516
5	Consolidated C. Co., W. Mine.	..do.....	94,699	90,555	.....	.....	.....	4,144
Total—5 mines.....			1,426,594	1,062,925	61,681	224,092	18,545	59,351

Mines in 1916, 4. New mines, 1. Mines in 1917, 5.

MADISON COUNTY,

SHIPPING MINES.								
1	New Staunton C. Co., No. 1....	Livingston...	937,004	924,507	.....	.....	5,225	7,272
2	Mt. Olive & Staunton Coal Co., No. 2.....	Staunton.....	901,881	873,076	.....	.....	2,404	26,401
3	Donk Bros. C. & C. Co., No. 2	Marysville..	866,317	849,030	1,562	.....	1,877	13,848
4	Donk Bros. C. & C. Co., No. 1	Collinsville..	518,977	535,269	63	.....	359	13,286
5	Lumaghi Coal Co., No. 2.....	..do.....	410,721	350,577	.....	54,496	.....	5,648
6	Madison C. Corp. No. 2.....	Glen Carbon.	386,880	339,123	.....	.....	3,308	14,449
7	Kerns Donnewald Coal Co.....	Worden.....	324,295	106,126	.....	210,163	4,102	3,904
8	Donk Bros. C. & C. Co., No. 3	Troy.....	259,591	246,333	.....	.....	5,850	7,408
9	Mt. Olive & Staunton Coal Co., No. 1.....	Staunton.....	144,297	132,916	6,742	.....	754	3,885
10	Lumaghi Coal Co., No. 3.....	Collinsville..	110,038	.....	.....	109,123	.....	915
11	City Coal Co., No. 3.....	Edwardsville.	43,317	18,972	5,426	.....	15,024	3,895
12	Madison County Mining Co.....	..do.....	35,444	32,280	.....	.....	2,164	1,000
13	Abbey Coal Corp., No. 1.....	Collinsville..	23,165	1,556	.....	.....	20,513	1,096
14	East Side Coal Co.....	Edwardsville.	19,580	1,357	.....	.....	17,903	320
15	Beck White Coal Co., No. 1....	..do.....	1,280	1,140	.....	.....	.....	140
Total.....			5,012,787	4,442,262	13,793	373,782	79,483	103,467
LOCAL MINES.								
1	Bunker Hill Coal Co.....	Collinsville..	11,568	.....	.....	.....	11,158	410
2	Hydrolic Press Brick Co.....	..do.....	6,683	.....	.....	.....	.....	6,683
3	Bullock Bros.....	..do.....	5,982	.....	.....	.....	5,173	809
4	Fred Humm.....	Bethalto.....	3,649	.....	.....	.....	3,641	8
5	George Kabel.....	Moro.....	2,200	.....	.....	.....	2,200	.....
6	Benj. Eccles.....	Alton.....	800	.....	.....	.....	800	.....
7	Ernest H. Rink.....	Bethalto.....	217	.....	.....	.....	217	.....
8	Chas. Brueggemann.....	..do.....	180	.....	.....	.....	180	.....
9	Henry Bauer.....	..do.....	152	.....	.....	.....	152	.....
10	A. Decoto.....	..do.....	35	.....	.....	.....	35	.....
11	John Kowalzik.....	Worden.....	8	.....	.....	.....	8	.....
Total.....			31,474	.....	.....	.....	23,564	7,910
Total—26 mines.....			5,044,261	4,442,262	13,793	373,783	103,047	111,377

Mines in 1916, 22. New mines, 5. Abandoned mines, 1. Mines in 1917, 26.

EIGHTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
5,692	3	.....	210	129	107,895	.....	.....	1	1	10	.....	.....	.....	1

EIGHTH DISTRICT, 1917.

5,539	.....	1	1	225	518	47,701	451,939	24	2	8	5	22	1	1,000	108,520	.....	.....	1
3,607	.....	3	1	191	251	.....	319,630	8	.....	5	2	13	.....	.....	.....	.....	.....	2
3,292	.....	3	1	173	258	.....	278,229	12	.....	3	2	15	.....	.....	.....	.....	.....	3
2,880	.....	3	1	206	201	.....	234,396	6	.....	3	4	10	.....	.....	.....	.....	.....	4
4,102	.....	3	.....	98	173	94,699	.....	.....	5	2	2	10	.....	.....	.....	.....	.....	5
19,387	.....	13	4	173	1,401	142,400	1,284,194	50	2	24	15	70	1	1,000	108,520	.....	.....	.....

EIGHTH DISTRICT, 1917.

6,850	.....	3	.....	216	647	.....	937,004	17	2	35	3	37	.....	.....	.....	.....	.....	1
4,740	150	2	.....	252	637	.....	901,881	16	2	17	2	37	1	1,000	128,996	.....	.....	2
9,449	.....	3	.....	291	588	.....	866,317	22	3	30	4	39	.....	.....	.....	.....	.....	3
23,129	.....	3	1	271	391	548,977	.....	1	5	3	26	1	800	209,775	.....	.....	.....	4
4,389	.....	4	.....	195	426	.....	410,721	21	4	8	7	21	.....	.....	.....	.....	.....	5
3,457	.....	3	.....	233	348	.....	386,880	30	.....	12	4	27	.....	.....	.....	.....	.....	6
2,703	.....	3	.....	288	266	.....	324,295	7	2	5	2	17	.....	.....	.....	.....	.....	7
5,085	.....	4	.....	263	291	127,259	152,332	6	.....	9	2	21	.....	.....	.....	.....	.....	8
888	100	2	.....	152	213	.....	144,297	5	.....	4	2	15	1	1,000	11,640	.....	.....	9
4,017	.....	2	.....	148	169	110,038	.....	.....	.....	3	1	13	.....	.....	.....	.....	.....	10
595	.....	2	.....	236	71	.....	43,317	6	.....	3	.....	8	.....	.....	.....	.....	.....	11
1,531	.....	2	1	175	50	35,444	.....	.....	.....	2	.....	5	.....	.....	.....	.....	.....	12
848	.....	3	2	304	26	23,165	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	13
752	.....	2	2	252	20	19,580	.....	.....	.....	3	.....	2	.....	.....	.....	.....	.....	14
47	.....	2	.....	12	51	1,280	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	15
68,540	250	40	6	219	4,194	865,743	4,147,044	130	14	136	30	274	3	933	350,411	.....	.....	.....
90	.....	5	.....	260	14	.....	11,568	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
214	.....	3	1	184	6	6,683	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
178	.....	4	.....	247	8	5,982	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
40	.....	2	1	200	7	3,649	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
30	.....	2	.....	280	5	2,200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	2	.....	200	3	800	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
1	.....	2	.....	80	3	217	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
.....	.....	1	.....	50	2	180	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
.....	.....	2	.....	110	2	152	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	1	.....	20	1	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
.....	.....	1	.....	14	1	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
553	.....	25	2	150	52	19,906	11,568	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
69,093	250	65	8	190	4,246	885,649	4,158,612	131	14	136	30	274	3	933	350,411	.....	.....	.....

MARION COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Marion County C. Co., No. 1.	Glenridge.....	557,458	431,153	.....	118,210	836	7,259
2	Chicago, Sandoval C. Co., No. 2	Sandoval.....	281,695	185,620	.....	79,873	9,435	6,767
3	Odin Coal Co.	Odin.....	239,369	146,481	.....	77,891	3,682	11,315
4	Chicago, Sandoval C. Co., No. 1	Sandoval.....	10,097	.....	.....	9,785	.....	312
Total.....			1,088,619	763,254	.....	285,759	13,953	25,653

Mines in 1916, 4. Mines in 1917, 4.

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.	
1	Bond.....	1	107,895	79,882	.....	20,000	4,013	4,000	5,692
2	Clinton.....	5	1,426,594	1,062,925	61,681	224,092	18,545	59,351	19,387
3	Madison.....	15	5,012,787	4,442,262	13,793	373,782	79,483	103,467	68,540
4	Marion.....	4	1,088,619	763,254	.....	285,759	13,953	25,653	20,246
Total.....		25	7,635,895	6,348,323	75,474	903,633	115,994	192,471	113,865

LOCAL MINES, RECAPITULATION BY

1	Madison.....	11	31,474	.....	.....	.....	23,564	7,910	553	.....
The district.....		36	7,667,369	6,348,323	75,474	903,633	139,558	200,381	114,418	250

ALL MINES, RECAPITULATION BY

1	Bond.....	1	107,895	79,882	.....	20,000	4,013	4,000	5,692	.....
2	Clinton.....	5	1,426,594	1,062,925	61,681	224,092	18,545	59,351	19,387	.....
3	Madison.....	26	5,044,261	4,442,262	13,793	373,782	103,047	111,377	69,093	250
4	Marion.....	4	1,088,619	763,254	.....	285,759	13,953	25,653	20,246	.....
Total.....		36	7,667,369	6,348,323	75,474	903,633	139,558	200,381	114,418	250

Whole number of mines reported for 1916, 31

Number of new and reopened mines during the year, 6.

Number of mines abandoned during the year, 1.

Whole number of mines reported for 1917, 36.

EIGHTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosive used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.			Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
5,476	2	3	276	504	148,428	409,030	17	1	9	3	30	.....	.....	.....	1
12,197	6	4	220	178	281,695	.....	.....	.....	5	3	15	.....	.....	.....	2
2,215	4	5	263	250	.....	239,369	10	.....	3	4	.....	.....	.....	.....	3
358	1	.....	18	113	10,097	.....	.....	.....	.....	.....	8	.....	.....	.....	4
20,246	13	12	194	1,045	440,220	648,399	27	1	17	10	53	.....	.....	.....	.....

COUNTIES, EIGHTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors in use.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
210	129	107,895	.....	.....	.....	1	1	10	.....	.....	.....	1
178	1,401	142,400	1,284,194	50	2	24	15	70	1	1,000	108,520	2
219	4,194	865,743	4,147,044	130	14	136	30	274	3	933	350,411	3
194	1,045	440,220	648,399	27	1	17	10	53	.....	.....	.....	4
207	6,769	1,556,258	6,079,637	207	17	178	56	407	4	950	458,931	.....

COUNTIES, EIGHTH DISTRICT, 1917.

150	52	19,906	11,568	1	.....	.....	.....	.....	.....	.....	.....	1
189	6,821	1,576,164	6,091,205	208	17	178	56	407	4	950	458,931	.....

COUNTIES, EIGHTH DISTRICT, 1917.

210	129	107,895	.....	.....	.....	1	1	10	.....	.....	.....	1
178	1,401	142,400	1,284,194	50	2	24	15	70	.....	.....	.....	2
190	4,246	885,649	4,158,612	131	14	136	30	274	.....	.....	.....	3
194	1,045	440,220	648,399	27	1	17	10	53	.....	.....	.....	.....
189	6,821	1,576,164	6,091,205	208	17	178	56	407	.....	.....	.....	.....

NINTH INSPECTION DISTRICT.

COUNTY—ST. CLAIR. THOS. C. WRIGHT, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Ninth District, comprising the coal producing county of St. Clair.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	1
Number of shipping mines.....	47
Number of local mines.....	16
Number of new or reopened mines.....	10
Number of closed or abandoned mines.....	1
Number of men underground.....	4,863
Number of boys underground.....	40
Number of men outside the mine.....	444
Number of boys outside the mine.....	13
Total number of employees.....	5,360
Total tons of coal produced.....	5,755,650
Days of active operation, all mines.....	195
Kegs of powder used for blasting coal.....	132,168
Number of fatal accidents.....	10
Number of nonfatal accidents.....	66
Number of employees to each fatal accident.....	536
Number of employees to each nonfatal accident.....	81
Tons of coal produced to each fatal accident.....	575,565
Tons of coal produced to each nonfatal accident.....	87,207
Ratio of fatal accidents per 1,000 employees.....	1.87

The following table gives the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
St. Clair.....	5,755,650	195	5,360	3,315,650	161	4,047	2,240,000	34	1,313	.....	.....	.....

NEW AND REOPENED MINES.

One new mine, Lippert and Shore, Millstadt, has been opened and nine which had been closed for some time have been reopened. They are: St. Louis & O'Fallon, No. 1, East St. Louis; Southern Coal, Coke and Mining Co., No. 1; Guest Coal Co.; W. L. Scott Coal Co., Belleville; Lenzburg Coal Co., Lenzburg; Glendale Coal & Mining Co.; Jack Run Coal Co., Freeburg;

Kolb Coal Co., Vinegar Hill mine, New Athens; Enterprise Colliery Co., Rentchler.

ABANDONED MINES.

Diamond Joe Coal Company, Millstadt.

CHANGE OF NAME.

Dozow Valley to Forsyth Coal Co.; Fisher Fuel Co. to St. Ellen Coal Co.; Missouri & Illinois Coal Co., Rentchler mine, to White & Sargent Coal Co.; Mueller & Buxton to John Buxton; Reeb Bros. to Radium Coal Co.

IMPROVEMENTS.

The Victoria Coal Co., has discarded the gasoline motor and installed an electric motor on the main haulage road.

The Radium Coal Co., formerly the Reeb Coal Co., is sinking a new hoisting shaft at Radium mine.

The Groom Coal Co. has installed a new shaker engine and a new fan, housed in concrete, at Richland mine.

The Jack Run Coal Co. has installed a pair of first motion hoisting engines at St. Clair mine. This mine was formally owned by the Missouri and Illinois Coal Co.

The Golden Rule Coal Co. has built a new fireproof boiler house to replace the one blown away by a cyclone.

The Egyptian Coal Co. has made quite a lot of improvements at the Meek mine, such as putting in new boilers, first motion hoisting engines, new generator and building a new machine shop.

The Southern Coal, Coke & Mining Co., is installing electric gathering motors of the storage battery type at No. 8 mine.

The Pittsburg Coal Co. installed a two-stage centrifugal pump driven by a three-phase electric motor.

The International Coal Co. installed chemical fire extinguishing engines at Taylor and Carbon mines.

The Summit Coal Co. has installed a rope haulage system.

The Eldnar Coal Co. installed another new 72-inch boiler.

The Oakdale Coal Co. installed a new 72-inch boiler.

The Kolb Coal Co. has installed a coal crusher at No. 1 mine.

FATAL ACCIDENTS.

July 14, 1916, Andrew Wilson, laborer, age 20 years, single, was killed by railroad cars, at the Southern Coal, Coke & Mining Company's No. 7 mine, Belleville, St. Clair County.

July 19, 1916, Louis Eichorn, miner, age 29 years, married, was killed in St. Louis & O'Fallon Coal Company's mine, East St. Louis, St. Clair County, by a fall of slate. He leaves a widow and one child.

September 3, 1916, Gus Cast, shot firer, age 25 years, married, was killed by shot blown through a cross-cut, in Kolb Coal Company's No. 1 mine, Mascoutah, St. Clair County. He leaves a widow and one child.

October 5, 1916, Joseph Stehlick, machine helper, age 27 years, married, was killed in St. Louis & O'Fallon Coal Company's No. 2 mine, East St. Louis, St. Clair County, by falling slate. He leaves a widow and one child.

December 2, 1916, Hiram Hood, machine runner, age 36 years, married, employed in Consolidated Coal Company's No. 17 mine, Collinsville, was killed by falling slate. He leaves a widow and five children.

March 3, 1917, John Schuetz, machine runner, age 59 years, married, was killed in International Coal & Mining Company's mine, Belleville, St. Clair County, by falling coal.

March 10, 1917, Walter Berger, driver, was killed by pit cars in Eldnar Coal Company's mine, Belleville, St. Clair County.

May 31, 1917, Fred Hoppwood, driver, age 35 years, married, employed in Southern Coal, Coke & Mining Company's No. 1 mine, Belleville, St. Clair County, was kicked by his mule and fell in front of a trip of loaded cars, two of which ran over him, causing death. He leaves a widow and one child.

June 13, 1917, Henry Brod, miner, age 45 years, married, was killed by a fall of clod while loading coal in St. Louis & O'Fallon Coal Company's mine No. 2, O'Fallon, St. Clair County. He leaves a widow.

June 25, 1917, Leweln Bowen, miner, age 45 years, married, was killed in Prairie Coal Company's mine, O'Fallon, St. Clair County, by falling clod. He leaves a widow and five children.

Respectfully submitted,

T. C. WRIGHT,
Inspector, Belleville, Illinois.

FATAL CASUALTIES, NINTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
July 14	Andrew Wilson.....	20	Laborer.....	Belleville.....	1	1	1	1	2	Railroad cars.
19	Louis Eichorn.....	29	Miner.....	do.....	1	1	1	1	2	Falling slate.
Sept. 3	Gus Cast.....	25	Shot firer.....	Mascoutah.....	1	1	1	1	2	Flying coal.
Oct. 5	Joseph Stehlick.....	27	Machine helper.....	Belleville.....	1	1	1	1	2	Falling slate.
Dec. 2	Hiram Hood.....	36	Mch. runner.....	Collinsville.....	1	1	5	6		Falling slate.
1917										
Mar. 3	John Schuetz.....	59	Mch. runner.....	Belleville.....	1	1	5	1		Falling coal.
10	Walter Berger.....	18	Driver.....	do.....	1	1	1	1		Pit car.
May 31	Fred Hoppwood.....	35	do.....	do.....	1	1	1	1	2	Kicked by mule.
June 13	Henry Brod.....	45	Miner.....	O'Fallon.....	1	1	1	1		Falling clod.
25	Leweln Bowen.....	45	do.....	do.....	1	1	5	6		Falling clod.
	Total.....				8	2	8	19	22	

RECAPITULATION OF FATAL ACCIDENTS, NINTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Belleville.....	6	Drivers.....	2	Falling clod.....	2	Consolidated Coal Co....	1
Collinsville.....	1	Laborer.....	1	Falling coal.....	1	Eldnar Coal Co.....	1
Mascoutah.....	1	Machine helper.....	1	Falling slate.....	3	International Coal & Mining Co.....	1
O'Fallon.....	2	Machine runners.....	2	Flying coal.....	1	Kolb Coal Co.....	1
		Miners.....	3	Mule, kicked by.....	1	Prairie Coal Co.....	1
		Shot firer.....	1	Pit cars.....	1	St. Louis & O'Fallon Coal Co.....	3
				Railroad cars.....	1	Southern C. C. & M. Co.	2
Total.....	10		10		10		10

NONFATAL CASUALTIES, NINTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July 10	Adam Scheutz.....	31	Belleville.....	1	...	3	4	Eye destroyed, flying steel.....	30
12	Bert Lemen.....	35	O'Fallon.....	1	...	2	3	Wrist broken, fell off car.....	75
18	H. Hood.....	48	Collinsville.....	1	...	5	6	Body injured, machine.....	46
27	Lewis J. Jones.....	47	Caseyville.....	1	...	5	6	Shoulder injured, falling coal.....	32
Aug. 28	John Kock.....	35	O'Fallon.....	1	...	1	...	Hand injured, motor.....	30
Sept. 2	Joseph Nesbit.....	39	E. St. Louis.....	1	...	2	3	Ribs broken, mule.....	48
5	Wm. Genette.....	64	Collinsville.....	1	...	6	7	Leg injured, fell down.....	36
17	Chas. Depple.....	25	Belleville.....	1	...	1	...	Body injured, falling slate.....	50
18	George Hurst.....	33	do.....	1	...	1	...	Finger broken, pit car.....	48
29	Patrick Taggart.....	49	do.....	1	...	8	9	Leg injured, pit car.....	80
Oct. 30	H. Bergher.....	27	Mascoutah.....	1	...	1	...	Leg broken, falling slate.....	117
14	T. Loembarde.....	48	Collinsville.....	1	...	1	...	Arm broken, pit car.....	*
Nov. 14	H. Fitze.....	28	Mascoutah.....	1	...	1	...	Body injured, fell.....	130
29	Tony Kovar.....	37	Belleville.....	1	...	1	2	Hand injured, not stated.....	34
Dec. 29	John Swain.....	41	do.....	1	...	1	2	Head injured, falling prop.....	30
15	Frank Morris.....	38	E. St. Louis.....	1	...	2	3	Leg injured, mule.....	36
18	Curt Michaelis.....	19	Belleville.....	1	...	1	...	Leg burned, steam.....	60
22	Agne Antanites.....	33	E. St. Louis.....	1	...	1	...	Head injured, falling rock.....	48
1917									
Jan. 2	Joseph Smolick.....	25	do.....	1	...	...	1	Back injured, heavy lifting.....	36
4	Lon Dove.....	41	Belleville.....	1	...	2	3	Head injured, flying cap piece.....	63
7	Rolla Knight.....	29	Shiloh.....	1	...	3	4	Leg broken, falling coal.....	42
12	Chas. Dallas.....	45	O'Fallon.....	1	...	5	6	Wrist broken, fell off car.....	42
15	Ambrose Martin.....	45	Lenzburg.....	1	...	...	1	Legs burned, hot water.....	70
16	Albert Zimmerman.....	54	Shiloh.....	1	...	1	...	Body burned, shot explosion.....	90
20	David Bloomer.....	68	Collinsville.....	1	...	7	8	Toe broken, falling coal.....	48
22	Wm. Tomreleus.....	30	do.....	1	...	1	...	Arm broken, falling prop.....	120
25	Charles Nilke.....	53	Mascoutah.....	1	...	3	4	Head injured, falling clod.....	68
31	Jesse Welson.....	19	Belleville.....	1	...	1	...	Leg broken, pit car.....	52
Feb. 1	Henry Wellmuenster.....	22	Lenzburg.....	1	...	1	...	Leg injured, pit car.....	105
5	Robert Kump.....	40	Lebanon.....	1	...	1	...	Ankle broken, pit car.....	123
5	Jos. Straubinger.....	37	Belleville.....	1	...	...	1	Finger injured, falling slate.....	36
14	Fred Freburg.....	57	Collinsville.....	1	...	4	5	Back injured, falling slate.....	47
14	Ed. Mann.....	27	Troy.....	1	...	2	3	Finger injured, fell.....	56
16	J. Boltrushot.....	37	Collinsville.....	1	...	3	4	Arm injured, lifting props.....	36
19	Wilbur Haddick.....	23	do.....	1	...	1	...	Finger injured, pit car.....	30
22	Robt. Fitzgerald.....	30	Belleville.....	1	...	1	...	Finger broken, sprag.....	32
28	Michael Gunia.....	40	Shiloh.....	1	...	1	2	Finger injured, machine.....	30
28	Roy Hopgood.....	22	Edgemont.....	1	...	4	5	Back injured, falling slate.....	47
Mar. 1	Joseph Kapp.....	...	O'Fallon.....	1	...	4	5	Foot injured, falling slate.....	90
3	Adam Schentz.....	31	Belleville.....	1	...	3	4	Shoulder injured, falling coal.....	60
4	Frank Zazie.....	19	Birkner Station.....	1	...	1	...	Arm injured, struck roof.....	36
6	Clem Toppl.....	28	E. St. Louis.....	1	...	1	...	Back injured, pit car.....	60
12	Thomas Mowe.....	32	Belleville.....	1	...	1	...	Body injured, kicked by mule.....	40
17	John Rice.....	42	Collinsville.....	1	...	1	...	Body injured, pit car.....	67
27	Walter Hansleben.....	26	Shiloh.....	1	...	2	3	Leg broken, machine.....	40
28	Ben Toppl.....	29	Edgemont.....	1	...	1	...	Back injured, pit car.....	60
30	Louis Bauer.....	42	Collinsville.....	1	...	1	1	Finger broken, falling coal.....	46
Apr. 6	August Fischer.....	56	do.....	1	...	2	3	Foot injured, pit car.....	31
21	Christoforo Deleonar.....	57	St. Louis, Mo.....	1	...	6	7	Body injured, fell.....	36
23	William Smith.....	26	Caseyville.....	1	...	1	...	Leg injured, pit car.....	90
24	Ben Hoeltman.....	31	Collinsville.....	1	...	1	...	Finger injured, mule.....	31
30	John Ferner.....	28	do.....	1	...	1	...	Head injured, mule fell on him.....	60
May 2	C. Carvelot.....	56	do.....	1	...	6	7	Toe injured, falling coal.....	35
3	Frank Zazie.....	20	Belleville.....	1	...	1	...	Hand injured, pit car.....	36
8	Mark Williams.....	34	Marissa.....	1	...	1	...	Leg broken, falling slate.....	130
9	Jos. Pilkington.....	33	Belleville.....	1	...	1	...	Leg injured, kicked by mule.....	40
15	Albert Tyas.....	52	do.....	1	...	5	6	Finger injured, caught under wedge.....	36
15	Jim Hendrickson.....	25	St. Louis, Mo.....	1	...	1	2	Body burned, powder explosion.....	48
25	Jesse Conklin.....	34	O'Fallon.....	1	...	3	4	Leg broken, falling coal.....	76
29	Nicholas Meyer.....	31	St. Louis, Mo.....	1	...	5	6	Back injured, falling slate.....	34
31	Albert Lilly.....	45	Collinsville.....	1	...	5	5	Arm broken, pit car.....	42
June 2	John Hurst.....	31	Belleville.....	1	...	5	6	Back injured, prop slipped.....	36
8	Franko.....	30	Mascoutah.....	1	...	1	...	Body injured, pit car.....	36
19	R. Hund.....	32	do.....	1	...	2	3	Wrist injured, pit car.....	41

NONFATAL CASUALTIES, NINTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married. Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost— days.
1917 June 29	Anthony Brukus.....	48	O'Fallon.....	1	.....	.....	Leg broken, falling clod.....	64
29	Nick Evans.....	35	Belleville.....	1	3	4	Eye injured, flying coal.....	55
	Total.....			42	24	122	164	

* Not returned to work June 30, 1917.

Number injured.....	66	Time lost by men returned, days.....	3,559
Number not returned to work.....	1	Average days lost.....	54.75
Number returned.....	65		

RECAPITULATION OF NONFATAL ACCIDENTS, NINTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Belleville.....	18	Cagers.....	2	Caught between objects	1	Columbia Coal Co.....	1
Birkner.....	1	Drivers.....	18	Falling coal.....	10	Consolidated Coal Co....	11
Caseyville.....	2	Laborers.....	12	Falling rock.....	1	International C. M. Co..	1
Collinsville.....	15	Loaders.....	2	Falling slate.....	8	Jones Bros. C. & M. Co..	1
East St. Louis.....	5	Machine helpers.....	2	Fell.....	6	Kolb Coal Co.....	5
Edgemont.....	2	Machine runners.....	2	Lifting objects.....	2	Lenzburg Coal Co.....	2
Lebanon.....	1	Mine examiner.....	1	Machine.....	3	Prairie Coal Co.....	4
Lenzburg.....	2	Miners.....	22	Motor.....	1	St. Louis & O'Fallon	
Marissa.....	1	Motorman.....	1	Mule.....	6	Coal Co.....	29
Mascoutah.....	5	Trackmen.....	2	Pit cars.....	16	Southern C. C. & M. Co.	6
O'Fallon.....	6	Trip riders.....	2	Powder explosion.....	1	Superior Mining Co....	4
Shiloh.....	4			Shot explosion.....	1	Victoria Coal Co.....	2
Troy.....	1			Struck by objects.....	9		
St. Louis, Mo..	3			Not stated.....	1		
Total.....	66		66		66		66

RECAPITULATION OF NONFATAL CASUALTIES, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, NINTH DISTRICT, JUNE 30, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken.....	1	.....	1	.....	.....	123	123.00	1.51
Arm broken ¹	3	1	2	5	6	162	81.00	4.55
Arm injured.....	2	1	1	3	4	72	36.00	3.03
Back injured.....	7	5	2	18	23	320	45.71	10.61
Body burned.....	2	1	1	1	2	138	69.00	3.03
Body injured.....	7	4	3	11	15	405	57.86	10.61
Eye destroyed.....	1	1	.....	3	4	30	30.00	1.51
Eye injured.....	1	1	.....	3	4	55	55.00	1.51
Finger broken.....	3	1	2	1	2	126	42.00	4.55
Finger injured.....	6	5	1	8	13	219	36.50	9.09
Foot injured.....	2	2	.....	6	8	121	60.50	3.03
Hand injured.....	3	1	2	1	2	100	33.33	4.55
Head injured.....	5	3	2	6	9	269	53.80	7.58
Leg broken.....	7	4	3	8	12	521	74.43	10.61
Leg injured.....	8	4	4	16	20	517	64.63	12.13
Rib broken.....	1	1	.....	2	3	48	48.00	1.51
Shoulder injured.....	2	2	.....	8	10	92	46.00	3.03
Toe broken.....	1	1	.....	7	8	48	48.00	1.51
Toe injured.....	1	1	.....	6	7	35	35.00	1.51
Wrist broken.....	2	2	.....	7	9	117	58.50	3.03
Wrist injured.....	1	1	.....	2	3	41	41.00	1.51
Total.....	66	42	24	122	164	3,559	54.75	100.00

¹ One not returned to work.

ST. CLAIR COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	St. Louis & O'Fallon Coal Co., No. 2	E. St. Louis..	842,875	813,129	11,272	798	17,678	
2	Southern C., C. & M. Co., No. 8	Belleville....	518,496	432,405	545	74,550	1,280	9,716
3	Consolidated C. Co., No. 17.	Collinsville....	437,247	393,855				43,392
4	Prairie Coal Co	Belleville....	307,188	229,902	490	74,086	300	2,500
5	Southern Coal, Coke & Mining Co., No. 17.	do.	275,883	220,936		45,450	824	8,673
6	Kolb Coal Co., No. 2	Mascoutah....	259,010	255,729				3,281
7	St. Ellen Coal Co.	O'Fallon....	256,544	37,420	348	215,062	106	3,608
8	St. Louis & O'Fallon Coal Co., No. 1	E. St. Louis..	184,600	175,664				8,936
9	Superior Mining Co., Sup.	Belleville....	183,607	152,948		24,797	2,367	3,495
10	Eldnar Coal Co., E. Mine	do.	166,123	165,123	1,000			
11	Suburban Coal & Mining Co.	do.	156,356	151,453			2,100	2,803
12	International Coal & Mining Co., Carbon.	O'Fallon....	127,324	121,286		193	1,669	4,176
13	Mulberry Hill Coal Co., M. H.	Freeburg....	118,109	114,169			700	3,240
14	Columbia Coal Co., Royal.	Belleville....	116,635	113,235			340	3,060
15	International Coal & Mining Co., Taylor.	O'Fallon....	115,307	112,661		1,867		779
16	Kolb Coal Co., No. 1	Mascoutah....	112,972	52,227	52,649		5,320	2,776
17	Star Coal Co., Star.	Freeburg....	103,254	94,190			6,500	2,564
18	Egyptian C. & M. Co., Meek.	Marissa....	100,836	45,370		49,267		6,199
19	Victoria Coal Co., Senior	Belleville....	92,811	89,766			1,395	1,650
20	Southern Coal, Coke & Mining Co., A very No. 1	do.	91,260	75,369		12,800	3,091	
21	Kolb Coal Co., Fairbanks.	New Athens..	88,245	57,608	27,789			2,848
22	Jones Bros. C. & M. Co., No. 1.	Marissa....	82,983	42,841		26,636	12,340	1,166
23	Aben Coal Co., Massie	Belleville....	65,192	46,994		3,760	13,038	1,400
24	Golden Rule Coal Co., G. R.	Lenzburg....	63,982	59,334			2,759	1,889
25	Fullerton Coal Co.	Belleville....	63,150	60,833			876	1,441
26	Forsythe Coal Co., D. Valley.	Marissa....	57,526	53,228			2,650	1,648
27	H. E. Miller, Ruby	Caseyville....	55,456	58,956				1,500
28	White Coal Co., Valley.	Belleville....	55,104	54,404				700
29	Northern Coal Co.	Millstadt....	54,896	51,247	1,320		2,079	250
30	Pittsburg Mining Co.	Belleville....	48,061	34,664			11,525	1,872
31	White-Sergeant Coal Co.	Rentchler....	47,143	45,367			576	1,200
32	Summit Coal & Mining Co.	Belleville....	47,096	46,426			91	579
33	New National Coal Co.	do.	44,222	40,916			2,211	1,095
34	Guest Coal Co.	do.	42,875	40,729				2,146
35	Oakdale Coal & Mining Co.	do.	36,762	16,608		10,077	8,877	1,200
36	Groom Coal Co., Richland.	do.	32,863	28,202	2,869		532	1,260
37	Lenzburg Coal Co., Tierre.	Lenzburg....	32,179	30,459			820	900
38	Glendale C. & M. Co., Randle.	Freeburg....	31,405	30,559				846
39	Highland Coal Co.	Belleville....	27,022	10,022	569		12,256	4,175
40	Kolb Coal Co., V. Hill.	New Athens..	24,262	23,135				1,127
41	Jack Run Coal Co.	Freeburg....	23,907	22,837				1,070
42	Peoples Coal Co.	Lebanon....	22,747	12,247			8,000	2,500
43	New Freeburg Coal Co.	Freeburg....	12,794	11,346			948	500
44	Radium Coal Co., Murphy.	Belleville....	10,000	9,495			505	
45	W. L. Scott C. Co., Wilderman	do.	9,084	8,589			43	452
46	Southern C., C. & M. Co., No. 5	do.	6,093			350	5,523	220
47	Enterprise Collieries Co., No. 1	Rentchler....	930	900				30
Total.			5,652,416	4,739,783	98,761	538,895	112,439	162,538
LOCAL MINES.								
1	Wm. Lattman.	Belleville....	20,871				20,031	840
2	Tower Grove Coal Co.	do.	15,210				14,360	850
3	R. Schramm & Son.	do.	13,992				13,692	300
4	Bretz & Schilling.	do.	8,751				8,151	600

ST. CLAIR COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
5	Fullmer Coal Co.	New Athens.	7,600				7,534	66
6	John T. Beatty.	Mascoutah.	7,363				6,816	547
7	Aloys Gundlach.	Caseyville.	5,863				5,848	15
8	J. W. McGouch.	Marissa.	5,000				4,500	500
9	A. J. Marxer.	Millstadt.	4,752				4,071	681
10	Wm. Pistor.	do.	2,987				2,987	
11	Aug. C. Stahlheber.	Freeburg.	2,864				2,764	100
12	Lippert & Shore.	Millstadt.	2,652				2,460	192
13	John Buxton.	Edgemont.	2,200				2,200	
14	Fred Quirin & Son.	Smithton.	1,781				1,484	297
15	A. Bosanko.	Belleville.	1,048				1,048	
16	Fred J. Ziska.	E. St. Louis.	300				300	
Total.			103,234				98,246	4,988
Total—63 mines.			5,755,650	4,739,783	98,761	538,895	210,685	167,526

Mines in 1916, 54. New mines, 10. Abandoned mines, 1 Mines in 1917, 63.

NINTH DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State Inspector.	County Inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
302	1	241	9	7,600											5
332	1	239	8	7,363											6
190	2	192	11	5,863											7
165	1	240	4	5,000											8
	3	300	10	4,752											9
	12	210	9	2,987											10
136		200	4	2,864											11
		186	5	2,652											12
144	12	200	2	2,200											13
60	1	290	3	1,781											14
		42	3	1,048											15
14	2	150	1	300											16
3,365	18	217	133	103,234											
132,168	50	92	195	5,360	2,751,097	3,004,553	146	10	66	42	370	3	1,500	146,834	

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	St. Clair	47	5,652,416	4,739,783	98,761	538,895	112,439	162,538	128,803	50
	Total.....	47	5,652,416	4,739,783	98,761	538,895	112,439	162,538	128,803	50

LOCAL MINES, RECAPITULATION BY

1	St. Clair.....	16	103,234	.....	.....	.....	98,246	4,988	3,365	.....
	Total.....	16	103,234	.....	.....	.....	98,246	4,988	3,365	.....
	The district. .	63	5,755,650	4,739,783	98,761	538,875	210,685	167,526	132,168	50

ALL MINES, RECAPITULATION BY

1	St. Clair.....	63	5,755,650	4,739,783	98,761	538,895	210,685	167,526	122,168	50
	Total.....	63	5,755,650	4,739,783	98,761	538,895	210,685	167,526	122,168	50

Whole number of mines reported for 1916, 54.
 Number of new and re-opened mines during the year, 10.
 Number of mines abandoned during the year, 1.
 Whole number of mines reported for 1917, 63.

COUNTIES, NINTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
187	5,227	2,647,863	3,004,553	146	10	66	42	370	3	1,500	146,834	1
187	5,227	2,647,863	3,004,553	146	10	66	42	370	3	1,500	146,834	

COUNTIES, NINTH DISTRICT, 1917.

217	133	103,234	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
217	133	103,234	.....	.....	.....	.....	.....	.....	.....	.....	.....
195	5,360	2,751,097	3,004,553	146	10	66	42	.....	.....	.....	.....

COUNTIES, NINTH DISTRICT, 1917.

195	5,360	2,751,097	3,004,553	146	10	66	42	370	.....	.....	.....	1
195	5,360	2,751,097	3,004,553	146	10	66	42	370	.....	.....	.....

TENTH INSPECTION DISTRICT.

COUNTIES—JACKSON, PERRY, RANDOLPH AND WASHINGTON.

JOHN MCCLINTOCK, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Tenth District, comprising the coal producing counties of Jackson, Perry, Randolph and Washington.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	4
Number of shipping mines.....	29
Number of local mines.....	28
Number of new or reopened mines.....	5
Number of closed or abandoned mines.....	8
Number of men underground.....	4,851
Number of boys underground.....	133
Number of men outside the mine.....	517
Number of boys outside the mine.....	.....
Total number of employees.....	5,501
Total tons of coal produced.....	5,218,599
Days of active operation, all mines.....	185
Kegs of powder used for blasting coal.....	116,645
Number of fatal accidents.....	9
Number of nonfatal accidents.....	64
Number of employees to each fatal accident.....	611
Number of employees to each nonfatal accident.....	86
Tons of coal produced to each fatal accident.....	579,844
Tons of coal produced to each nonfatal accident.....	81,541
Ratio of fatal accidents per 1,000 employees.....	1.64

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Jackson.....	818,571	176	1,025	821,121	149	984	.....	27	41	2,550	.....	.....
Perry.....	2,477,561	172	2,551	2,509,016	160	2,516	.....	12	35	31,455	.....	.....
Randolph.....	1,162,468	206	1,275	924,480	170	1,271	237,988	36	4	.....	.....	.....
Washington.....	759,999	206	650	606,214	179	559	153,785	27	91	.....	.....	.....
Total and average	5,218,599	185	5,501	4,860,831	160	5,330	391,773	.....	171	34,005	.....	.....
Net.....	.....	.....	.....	.....	.....	.....	357,768	25	171	.....	.....	.....

NEW AND REOPENED MINES.

J. C. Rich, East Bros., Carbondale; T. J. Howell Coal Co., Harvey & Sons, Norris & Sons, Duquoin.

CLOSED AND ABANDONED MINES.

Bowlen Bros., DeSoto; Clark & Shappell, B. F. Dilliner, Frank Mason, Carbondale; W. F. Johnson, Ava; Greenwood & Davis, LeGrand & Son, New Moon Mining Co., Duquoin.

CHANGE OF NAME.

J. B. Schimpf, No. 1, to O. R. Moss; J. B. Schimpf, No. 2, to Julius Edwards; Buck York to John Wilson; Boyde Coal Co. to Wilson Coal Co.; Crane Bros. to Crane & Gordon; Kuhn Coal Co. to Colliery Coal Co.; Nicholson Coal Co. to Nashville Mining Co.

FATAL ACCIDENTS.

August 15, 1916, Robert Jenkins, driver, age 40 years, married, was killed by falling slate in Paradise Coal Company's mine, Duquoin, Perry County.

December 9, 1916, John G. Dickey, assistant mine manager, age 48 years, single, was killed by falling coal in Moffat Coal Company's mine, Sparta, Randolph County. He leaves two dependents.

January 22, 1917, Russel Schosler, laborer, age 60 years, killed at the West Side Coal & Mining Company's mine, Coulterville, Randolph County. Deceased was blocking down a coal car when his head was caught between the car and a brace on the shaker. He died six hours later.

February 5, 1917, Reuben Rushing, laborer, age 19 years, married, employed at the Security Coal Mining Company's mine, Duquoin, Perry County, was killed by the explosion of a boiler. He leaves a widow.

February 13, 1917, James H. Connley, miner, age 26 years, single, was killed in Julius Edwards' mine, Ava, Jackson County, by falling clod. He leaves one dependent.

February 19, 1917, William J. Allen, pumpman, age 47 years, married, was killed by becoming entangled in the machinery of a gasoline engine, in No. 4 mine, Illinois Fuel Company, Sparta, Randolph County. Deceased was found dead, lying alongside of engine, one foot was cut off and several gashes were found on his head. He leaves a widow and five children.

March 31, 1917, Harry Davis, driver, age 23 years, married, was killed by falling roof, in No. 4 mine, Illinois Fuel Company, Sparta, Randolph County. He leaves a widow and two children.

April 17, 1917, All W. Baird, miner, age 35 years, married, was killed by falling slate, in Jackson Coal Company's mine, Hallidayboro, Jackson County. He leaves a widow and two children.

June 12, 1917, Arch York, driver, age 20 years, single, was killed in Jackson Coal Company's mine, Hallidayboro, Jackson County, by pit cars.

Respectfully submitted,

JOHN MCCLINTOCK,
Inspector, Murphysboro, Illinois.

FATAL CASUALTIES, TENTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married. Single.	Widow.	Children. Dependents.	Cause of death.
1916								
Aug. 15	Robert Jenkins.....	40	Driver.....	Duquoin.....	1	1	1	Falling slate.
Dec. 9	John G. Dickey.....	48	Asst. mine mgr.	Sparta.....	1	2	2	Falling slate.
1917								
Jan. 22	Russel Schosler.....	60	Laborer.....	Coulterville.....	1	1	1	Railroad cars.
Feb. 5	Reuben Rushing.....	19	do.....	Duquoin.....	1	1	1	Boiler explosion.
13	Jas. H. Connley.....	26	Miner.....	Ava.....	1	1	1	Falling coal.
19	Wm. J. Allen.....	47	Laborer.....	Sparta.....	1	1	5	Engine.
Mar. 31	Harry Davis.....	23	Driver.....	do.....	1	1	2	Falling roof.
Apr. 10	All W. Baird.....	35	Miner.....	Hallidayboro.....	1	1	2	Falling slate.
June 12	Arch York.....	20	Driver.....	Elkville.....	1	1	1	Pit cars.
	Total.....				5	4	5	17

RECAPITULATION OF FATAL ACCIDENTS, TENTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Ava.....	1	Asst. mine manager	1	Boiler explosion....	1	Illinois Fuel Co.....	2
Coulterville.....	1	Drivers.....	3	Engine.....	1	Jackson Coal Co.....	2
Duquoin.....	2	Laborers.....	3	Falling coal.....	1	Modat Coal Co.....	1
Elkville.....	1	Miners.....	2	Falling roof.....	1	Paradise Coal Co.....	1
Hallidayboro.....	1			Falling slate.....	3	J. B. Schimpf.....	1
Sparta.....	3			Pit cars.....	1	Security C. & M. Co.....	1
				Railroad cars.....	1	West Side C. & M. Co.....	1
Total.....	9		9		9		9

NONFATAL CASUALTIES, TENTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July 5	Joseph Snowden.....	30	Murphysboro.....	1	..	2	3	Leg injured, mule.....	46
10	John Adomites.....	44	Tilden.....	1	..	2	3	Leg broken, not stated.....	120
Aug. 19	L. C. Grills.....	50	Duquoin.....	1	..	..	1	Body burned, shot explosion.....	31
Sept. 16	Andy Robertson.....	26	Willisville.....	..	1	..	..	Leg injured, falling coal.....	30
18	Sam Fritz.....	18	Duquoin.....	1	..	..	1	Leg injured, pit car.....	31
18	Tony Vento.....	40	..do.....	..	1	..	1	Body injured, falling coal.....	35
30	Ig. Campamella.....	23	..do.....	..	1	..	1	Foot injured, falling coal.....	103
Oct. 13	Gus. Brandt.....	25	..do.....	..	1	..	1	Leg injured, falling coal.....	30
14	William McDonald.....	52	Murphysboro.....	1	..	2	3	Finger cut off, machine.....	187
14	Chas. Long.....	56	Duquoin.....	1	..	..	1	Ankle injured, falling coal.....	70
22	Vergel Mage.....	37	Clinch.....	1	..	..	1	Foot injured, fell off motor.....	57
23	A. Lamonico.....	49	Duquoin.....	1	..	..	1	Body injured, falling coal.....	46
25	Ray Terry.....	25	..do.....	..	1	..	1	Foot injured, falling rail.....	34
30	Fred Boston.....	25	Murphysboro.....	..	1	..	1	Body injured, pit car.....	33
Nov. 6	Frank Duebalic.....	24	Pinckneyville.....	..	1	..	1	Foot injured, slipped off chain.....	30
6	Luther Allen.....	55	Murphysboro.....	1	..	6	6	Ankle injured, falling slate.....	31
21	Albert Alexander.....	30	Duquoin.....	1	..	1	2	Finger broken, lifting rail.....	37
24	Bert Wright.....	40	..do.....	1	..	4	5	Hand broken, fallingslate.....	38
24	M. Siebug.....	26	Percy.....	1	..	2	3	Head injured, kicked by mule.....	30
24	Carl Bailey.....	19	Sunfield.....	..	1	..	..	Arm broken, not stated.....	60
Dec. 5	Frank Holder.....	18	Craig.....	..	1	..	..	Hand broken, pit car.....	34
15	Will Parmlee.....	30	Willisville.....	1	..	2	3	Hand injured, prop.....	30
21	Louis Ross.....	42	Duquoin.....	1	..	2	3	Leg injured, pit car.....	44
27	Nacy Sharp.....	27	..do.....	..	1	..	..	..do.....	30
28	O. De Rocha.....	35	Percy.....	1	..	2	3	Body injured, falling clod.....	30
29	Dan Brandon.....	27	Willisville.....	1	..	2	3	Leg injured, pit car.....	30
1917									
Jan. 6	Jack Hougland.....	30	Tilden.....	..	1	..	..	Body injured, falling slate.....	70
6	Scott B. Jones.....	22	Yates Center, Kan.....	..	1	..	..	Arm broken, pit car.....	80
7	Jesse Midgett.....	35	Duquoin.....	1	..	..	1	Leg broken, pit car.....	90
13	Andrew Laduca.....	53	Willisville.....	1	..	4	5	Foot injured, falling clod.....	30
16	Will Joyce.....	44	..do.....	1	..	..	1	Body injured, pit car.....	30
24	H. Willis.....	41	Percy.....	1	..	6	7	Leg injured, pit car.....	31
24	Malcom Starhouse.....	57	Duquoin.....	1	..	..	1	Collar bone broken, pit car.....	120
24	Wm. Brady.....	19	..do.....	..	1	..	..	Leg broken, pit car.....	150
Feb. 5	Wm. Hamilton.....	39	Percy.....	1	..	1	2	Leg broken, falling rock.....	85
9	Hy. Ward.....	21	Willisville.....	..	1	..	..	Hand injured, sprag.....	42
12	Millard Lively.....	34	Sparta.....	1	..	2	3	Ankle injured, falling coal.....	42
16	Clifton Seiber.....	32	Marissa.....	1	..	1	2	Body injured, falling slate.....	30
26	Wm. Rodely, Jr.....	24	Duquoin.....	..	1	..	..	Ankle injured, not stated.....	30
Mar. 5	Jas. Bushong.....	18	..do.....	..	1	..	..	Finger injured, motor.....	38
12	M. A. Caldwell.....	60	Craig.....	..	1	..	..	Back injured, falling clod.....	34
13	Alf. McMillan.....	30	Nashville.....	1	..	5	6	Foot broken, pit car.....	75
17	William Christie.....	22	Murphysboro.....	1	..	1	2	Leg burned, hot ashes.....	55
30	Garrett Hensley.....	69	Duquoin.....	1	..	..	1	Body injured, fell from car.....	38
30	Leo Indirante.....	47	..do.....	..	1	..	..	Ankle injured, not stated.....	*
31	Jas. Napier.....	50	..do.....	1	..	..	1	Arm broken, not stated.....	73
Apr. 3	J. W. Coldwell.....	29	Craig.....	1	..	1	2	Finger broken, not stated.....	90
9	Ollie Posey.....	22	Duquoin.....	..	1	..	..	Hand broken, pit car.....	83
9	Albert Day.....	26	Pinckneyville.....	1	..	..	1	Arm broken, jumped off car.....	45

NONFATAL CASUALTIES, TENTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost, days.
1917									
Apr. 13	Wm. Henderson.....	30	Duquoin.....	1	..	..	1	Body burned, not stated.....	37
16	Harmon Presswood.....	42	Pinckneyville..	1	..	3	4	Ribs broken, pit car.....	44
25	James Miller.....	22	Duquoin.....	1	..	1	2	Ankle broken, pit car.....	65
28	George Broha.....	24	Pinckneyville..	1	..	..	1	Foot broken, falling clod.....	90
30	James Carter.....	35	do.....	1	..	3	4	Finger injured, pit cars.....	42
May 7	Wil Repke.....	29	Willisville.....	1	..	2	3	Leg injured, struck by gas pipe.....	30
7	Wm. Hobey.....	..	Duquoin.....	1	..	..	1	Body injured, jumped off car.....	60
16	Philip Hacher.....	34	Marissa.....	1	..	2	3	Body injured, not stated.....	36
21	Louis Shibrack.....	21	Duquoin.....	1	..	..	1	Leg burned, hot water.....	37
22	Robt. Beisner.....	24	Willisville.....	1	..	2	3	Foot injured, falling machine guide.....	30
28	John Bunton.....	33	Duquoin.....	1	..	..	1	Leg injured, fell.....	30
June 1	M. Sharp.....	26	do.....	1	..	..	1	Ankle injured, machine.....	39
6	Pete Spoto.....	25	Willisville.....	1	..	2	3	Back injured, pit car.....	30
13	R. Weiden.....	29	Percy.....	1	..	1	2	Head injured, kicked by mule.....	30
17	Robert Presswood.....	52	Pinckneyville..	1	..	5	6	Arm broken, falling slate.....	30
	Total.....			44	20	69	112		

* Not returned to work June 30, 1917.

Number injured.....	64	Time lost by men returned, days.....	3,268
Number not returned.....	1	Average days lost.....	51.87
Number returned.....	63		

RECAPITULATION OF NONFATAL ACCIDENTS, TENTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Clinch.....	1	Cager.....	1	Falling clod.....	4	Bailey Bros. Coal Co....	1
Craig.....	3	Drivers.....	16	Falling coal.....	7	Big Muddy C. & I. Co..	5
Duquoin.....	27	Electrician.....	1	Falling rock.....	1	Crown Coal Mining Co..	4
Marissa.....	2	Engineer.....	1	Falling slate.....	5	Jones Bros. C. & M. Co.	4
Murphysboro.....	5	Fireman.....	1	Fell.....	5	Majestic Coal Co.....	10
Nashville.....	1	Laborers.....	10	Lifting objects.....	1	Nashville Mining Co....	1
Percy.....	5	Loaders.....	11	Machine.....	2	Paradise Coal Co.....	10
Pinckneyville.....	6	Machine helper.....	1	Motor.....	1	Ritchey Coal Co.....	5
Sparta.....	1	Machine runners.....	3	Mule.....	3	Schneider Coal Co.....	1
Sunfield.....	1	Miner.....	1	Pit cars.....	18	Security C. & M. Co....	8
Tilden.....	2	Miners.....	12	Shot explosion.....	1	Willis Coal & M. Co....	14
Willisville.....	9	Motorman.....	1	Struck by objects.....	5	Wilson Bros. Coal Co....	1
Yates Center, Kan.	1	Shot firers.....	4	Not stated.....	8		
		Trip rider.....	1				
Total.....	64		64		64		64

RECAPITULATION OF NONFATAL ACCIDENTS, NATURE OF INJURIES, CON-
JUGAL RELATIONS, AND TIME LOST, TENTH DISTRICT, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken.....	1	1	.....	1	2	65	65.00	1.56
Ankle injured ¹	6	4	2	8	11	212	42.40	9.38
Arm broken.....	5	3	2	5	8	288	57.40	7.81
Back injured.....	2	1	1	2	3	64	32.00	3.13
Body burned.....	2	2	.....	2	2	68	34.00	3.13
Body injured.....	10	7	3	5	12	408	40.80	15.62
Collar bone broken.....	1	1	.....	1	1	120	120.00	1.56
Finger broken.....	2	2	.....	2	4	127	63.50	3.13
Finger cut off.....	1	1	.....	2	3	187	187.00	1.56
Finger injured.....	2	1	1	3	4	80	40.00	3.13
Foot broken.....	2	1	1	5	6	165	82.50	3.13
Foot injured.....	6	3	3	6	9	284	47.33	9.38
Hand broken.....	3	1	2	4	5	155	51.67	4.68
Hand injured.....	2	1	1	2	3	72	36.00	3.13
Head injured.....	2	2	.....	3	5	60	30.00	3.13
Leg broken.....	4	3	1	3	6	445	111.25	6.25
Leg injured.....	12	9	3	15	24	424	35.33	18.75
Rib broken.....	1	1	.....	3	4	44	44.00	1.56
Total.....	64	44	20	69	112	3,268	51.87	100.00

¹ One not returned to work.

JACKSON COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Jackson Coal Co., M. Valley...	Hallidayboro.	287,228	195,600	44,584	18,513	3,981	24,550
2	Big Muddy C. & I. Co., No. 9.	Murphysboro	246,465	236,084				10,381
3	Gartside Coal Co., No. 4	do	99,687	62,951			30,136	6,600
4	Big Muddy C. & I. Co., No. 10	do	87,745	83,328				4,417
5	Gus Blair, Big. M. C. Co., No. 2	do	65,423	41,529			19,214	4,680
6	De Soto Peacock C. Co., No. 1	Se Soto.	11,532	9,000			2,032	500
Total			798,080	628,492	44,584	18,513	55,363	51,128
LOCAL MINES.								
1	J. C. Rich	Carbondale	7,000				7,000	
2	Geo. W. Patrick	do	3,000				2,500	500
3	H. S. Phillips	do	3,000				3,000	
4	E. H. Birkner	Oraville	2,355				2,355	
5	Geo. Wahlman	Campbell Hill	1,350				1,325	25
6	East Bros.	Carbondale	1,000				1,000	
7	John Wilson	do	650				400	250
8	O. R. Moss	Ava	600				600	
9	B. A. Schimpf	Vergennes	560				560	
10	W. R. Campbell	Mathews	360				356	4
11	T. A. Nesbit	Ava	350				350	
12	Julius Edwards	do	266				266	
Total			20,491				19,712	779
Total—18 mines			818,571	628,492	44,584	18,513	75,075	51,907

Mines in 1916, 21. New mines, 2. Abandoned mines, 5. Mines in 1917, 18.

PERRY COUNTY,

SHIPPING MINES.								
1	Majestic Coal & Coke Co.	Duquoin	599,540	369,065		208,975	8,500	13,000
2	Security Coal & M. Co., No. 1	do	550,261	528,545			784	20,932
3	Paradise Coal Co.	do	483,483	391,891	41,302	32,591	5,698	12,001
4	Willis C. & M. Co., No. 1	Willisville	339,265			324,659	1,357	13,249
5	Ritchey Coal Co., No. 1	Pinckneyville	156,504	12,155	23,306	116,914	2,890	1,239
6	St. Louis & Coulterville Coal Co., Vulcan	Coulterville	98,359	94,359			2,500	1,500
7	Crown C. M. Co., B. E.	Craig	80,496	62,731		12,703	608	4,454
8	Wilson Coal Co., G. Mine	Cutler	47,453	38,871	5,355		1,387	1,840
9	Collier Coal Co., Little M	Tamara	37,332	33,982			2,150	1,200
10	Bailey Bros. C. Co., Diamond	Sunfield	32,238	30,500			988	750
11	Soper Coal Co.	Cutler	25,405	23,513	542		250	1,100
	Total		2,450,336	1,585,612	70,505	695,842	27,112	71,265
LOCAL MINES.								
1	Montgomery Coal Co.	Pinckneyville	10,464				10,124	340
2	Schneider Coal Co.	do	7,113				6,499	614
3	Hale Coal Co.	do	6,418				6,318	100
4	F. J. Howell Coal Co.	Duquoin	1,841				1,691	150
5	Harvey & Sons	do	959				859	100
6	House Bros. Coal Co.	St. John	200				200	

PERRY COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
7	Dry & Revelle.....	Duquoin.....	175	.....	.....	.....	172	3
8	Norris & Sons.....	do.....	55	.....	.....	.....	55	.....
	Total.....		27,225	.....	.....	.....	25,918	1,307
	Total—19 mines.....		2,477,561	1,585,612	70,505	695,842	53,030	72,572

Mines in 1916, 19. New mines, 3. Abandoned mines, 3. Mines in 1917, 19.

RANDOLPH COUNTY,

SHIPPING MINES.								
1	Willis C. & M. Co., No. 6.....	Percy.....	261,444	70,679	.....	184,913	723	5,129
2	Illinois Fuel Co., No. 4.....	Sparta.....	240,460	233,478	.....	.....	.....	6,982
3	Moffat Coal Co., No. 1.....	do.....	189,282	93,313	.....	92,909	.....	3,060
4	Jones Bros. C. & M. Co., No. 2.....	Tilden.....	110,806	109,324	.....	.....	.....	1,482
5	Wilson Bros. Coal Co., Eden, No. 7.....	Sparta.....	84,946	55,023	.....	26,628	1,105	2,190
6	Tilden Coal Co., Crystal.....	Tilden.....	73,708	50,458	.....	20,175	1,250	1,825
7	Randolph County Coal Co.....	Coulterville.....	73,196	35,400	.....	34,869	1,348	1,579
8	West Side C. & M. Co.....	do.....	50,280	42,975	.....	4,000	750	2,555
9	Tilden Coal Co., Tilden.....	Tilden.....	49,012	28,220	.....	19,332	.....	1,460
	Total.....		1,133,134	718,870	.....	382,826	5,176	26,262
LOCAL MINES.								
1	Wilson Coal Co.....	Sparta.....	5,760	.....	.....	.....	5,160	600
2	Boyle Coal Co.....	do.....	5,600	.....	.....	.....	5,600	.....
3	Crain & Gordon.....	Percy.....	4,469	.....	.....	.....	3,821	648
4	Rury & Co.....	do.....	4,000	.....	.....	.....	4,000	.....
5	John Adams Coal Co.....	Willisville.....	3,400	.....	.....	.....	3,380	20
6	J. W. Bixby.....	Sparta.....	3,085	.....	.....	.....	2,960	125
7	Edward Jones & Son.....	do.....	3,020	.....	.....	.....	2,800	220
	Total.....		29,334	.....	.....	.....	27,721	1,613
	Total—16 mines.....		1,162,468	718,870	.....	382,826	32,897	27,875

Mines in 1916, 16. Mines in 1917, 16.

WASHINGTON COUNTY,

SHIPPING MINES.								
1	Centralia Coal Co., No. 5.....	Centralia.....	705,514	688,098	.....	.....	.....	17,416
2	Nashville Mining Co.....	Nashville.....	36,900	16,100	10,500	.....	9,850	450
3	Kuhn Colliery Co.....	Dubois.....	14,536	13,653	.....	.....	530	353
	Total.....		756,950	717,851	10,500	.....	10,380	13,219
LOCAL MINES.								
1	Martin Bros.....	Lenzburg.....	3,049	.....	.....	.....	3,049	.....
	Total—4 mines.....		759,999	717,851	10,500	.....	13,429	18,219

Mines in 1916, 4. Mines in 1917, 4.

TENTH DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
31	377	23	17555	.....	.....	.....	.....	.....	.....	.....	.....	78
899	10	1	131	49	27,225	.....	.....	1	.....	.....	.....	.....	.....	.....
44,463	41	3	171	2,551	773,712	1,703,859	52	2	48	34	143	.....	.....	.....

TENTH DISTRICT, 1917.

3,058	.....	2	.....	212	262	.....	261,444	9	.....	5	4	15	.....	.....	.....	1
2,938	.....	3	.....	271	198	.....	240,460	7	2	.....	1	21	.....	.....	.....	2
2,552	.....	4	.....	243	186	.....	189,282	16	1	.....	.....	20	.....	.....	.....	3
4,273	.....	3	.....	147	157	110,806	.....	.....	.....	4	1	9	.....	.....	.....	4
1,761	.....	4	.....	136	123	18,462	66,484	4	.....	1	1	8	.....	.....	.....	5
26	75	4	.....	169	99	73,708	.....	.....	.....	.....	.....	10	.....	.....	.....	6
2,791	.....	5	.....	233	65	73,196	.....	.....	.....	.....	.....	8	.....	.....	.....	7
2,511	.....	4	.....	192	62	50,280	.....	.....	1	.....	.....	4	.....	.....	.....	8
2,335	.....	4	.....	147	75	49,012	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
22,247	75	33	.....	194	1,227	375,464	757,670	36	4	10	7	95	.....	.....	.....	.....
296	.....	3	.....	200	10	5,760	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
400	.....	2	1	200	7	5,600	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
150	.....	2	.....	313	8	2,875	1,594	1	.....	.....	.....	.....	.....	.....	.....	3
133	.....	2	.....	260	4	4,000	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
150	.....	3	.....	172	8	3,400	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
115	.....	3	.....	156	8	3,085	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
110	.....	2	.....	250	3	3,020	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
1,348	.....	17	1	222	48	27,740	1,594	1	.....	.....	.....	.....	.....	.....	.....	.....
23,595	75	50	1	206	1,275	403,204	759,264	37	4	10	7	95	.....	.....	.....	.....

TENTH DISTRICT, 1917.

28,641	.....	2	1	276	565	660,073	45,441	6	.....	.....	15	.....	.....	.....	.....	1
1,984	.....	3	1	225	59	36,900	.....	.....	.....	1	.....	6	.....	.....	.....	2
485	.....	3	.....	121	21	14,536	.....	.....	.....	.....	.....	3	.....	.....	.....	3
31,110	.....	8	2	207	645	711,509	45,441	6	.....	1	15	9	.....	.....	.....	.....
131	.....	3	.....	203	5	3,049	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
31,241	.....	11	2	206	650	714,558	45,441	6	.....	1	15	9	.....	.....	.....	.....

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Keys of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Jackson	6	798,080	628,492	44,584	18,513	55,363	51,128	16,301	.....
2	Perry	11	2,450,336	1,585,612	70,505	695,842	27,112	71,265	43,564	.....
3	Randolph	9	1,133,134	718,870	.....	382,826	5,176	26,262	22,247	75
4	Washington	3	756,950	717,851	10,500	.....	10,380	18,219	31,110	.....
	Total	29	5,138,500	3,650,825	125,589	1,097,181	98,031	166,874	113,222	75

LOCAL MINES, RECAPITULATION BY

1	Jackson	12	20,491	.....	.....	.....	19,712	779	1,045	.....
2	Perry	8	27,225	.....	.....	.....	25,918	1,307	899	.....
3	Randolph	7	29,334	.....	.....	.....	27,721	1,613	1,348	.....
4	Washington	1	3,049	.....	.....	.....	3,049	.....	131	.....
	Total	28	80,099	.....	.....	.....	76,400	3,699	3,423	.....
	The district....	57	5,218,599	3,650,825	125,589	1,097,181	174,431	170,573	116,645	75

ALL MINES, RECAPITULATION BY

1	Jackson	18	818,571	628,492	44,584	18,513	75,075	51,907	17,346	.....
2	Perry	19	2,477,561	1,585,612	70,505	695,842	53,030	72,572	44,463	.....
3	Randolph	16	1,162,468	718,870	.....	382,826	32,897	27,875	23,595	75
4	Washington	4	759,999	717,851	10,500	.....	13,429	18,219	31,241	.....
	Total	57	5,218,599	3,650,825	125,589	1,097,181	174,431	170,573	116,645	75

Whole number of mines reported for 1916, 60.

Number of new and reopened mines during the year, 5.

Number of mines abandoned during the year, 8.

Whole number of mines reported for 1917, 57.

COUNTIES, TENTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
203	977	309,841	488,239	31	2	5	5	79	1	500	78,694	1
201	2,502	746,477	1,703,859	52	2	47	31	143				2
194	1,227	375,464	757,670	35	4	10	7	95				3
207	645	711,509	45,441	6	.....	1	15	9				4
200	5,351	2,143,291	2,995,209	125	8	63	61	326	1	500	78,694	

COUNTIES, TENTH DISTRICT, 1917.

162	48	20,491	.....	.....	1	.....	.....	.....	.....	.....	.....	1
130	49	27,225	.....	.....	.....	1	.....	.....	.....	.....	.....	2
222	48	27,740	1,594	1	.....	.....	.....	.....	.....	.....	.....	3
203	5	3,049	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
170	150	78,505	1,594	1	1	1	.....	.....	.....	.....	.....
185	5,501	2,221,796	2,996,803	126	9	64	61	.....	.....	.....	.....

COUNTIES, TENTH DISTRICT, 1917.

176	1,025	330,332	488,239	31	3	5	5	79	.....	.....	.....	1
172	2,551	773,702	1,703,859	52	2	48	34	143	.....	.....	.....	2
206	1,275	403,204	759,264	37	4	10	7	95	.....	.....	.....	3
206	650	714,558	45,441	6	.....	1	15	9	.....	.....	.....	4
185	5,501	2,221,796	2,996,803	126	9	64	61	326	.....	.....	.....

ELEVENTH INSPECTION DISTRICT.

COUNTIES—FRANKLIN, GALLATIN, SALINE AND WHITE.

JOHN E. JONES, *Inspector.**Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.*

SIR: I have the honor to submit to you the annual report of this, the Eleventh District, comprising the coal producing counties of Franklin, Gallatin, Saline and White.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	4
Number of shipping mines.....	42
Number of local mines.....	30
Number of new or reopened mines.....	8
Number of closed or abandoned mines.....	6
Number of men underground.....	13,645
Number of boys underground.....	257
Number of men outside the mine.....	1,691
Number of boys outside the mine.....	25
Total number of employees.....	15,618
Total tons of coal produced.....	16,079,571
Days of active operation, all mines.....	161
Kegs of powder used for blasting coal.....	66,778
Pounds permissible explosives used.....	1,687,593
Number of fatal accidents.....	55
Number of nonfatal accidents.....	374
Number of employees to each fatal accident.....	284
Number of employees to each nonfatal accident.....	42
Tons of coal produced to each fatal accident.....	292,356
Tons of coal produced to each nonfatal accident.....	42,994
Ratio of fatal accidents per 1,000 employees.....	3.52

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Franklin.....	11,317,657	227	10,511	9,070,811	194	8,606	2,246,846	33	1,905	....	....	....
Gallatin.....	125,366	116	195	68,094	145	169	57,272	....	26	....	29	....
Saline.....	4,530,903	136	4,817	4,502,801	130	4,833	28,102	6	....	....	....	16
White.....	105,645	211	95	27,151	129	60	78,494	82	35	....	....	....
Total and average.....	16,079,571	161	15,618	13,668,857	149	13,668	2,410,714	12	1,966	....	....	16
Net.....									1,950			

NEW AND REOPENED MINES.

Franklin County.—The Hart-Williams Coal Company's mine at Benton was closed in February, 1915, and reopened in August, 1916, by the Taylor Collieries Company and known as No. 6. The Western Coal and Mining Company has put in operation No. 2 mine at Royalton.

Gallatin County.—Wm. M. Strong, Shawneetown; Jones and Martin, Junction; James T. Colbert, Spitzner and James, Equality.

Saline County.—Harrisburg Colliery Company, Harco; Jess Allen, Equality.

CLOSED AND ABANDONED MINES.

Gallatin County.—George Brinkley, Crescent Coal Co., Equality; T. H. Clark, E. P. McCabe, Shawneetown.

CHANGE OF NAME.

Christopher Coal Mining Co., No. 1, to Old Ben Coal Corporation, No. 10; Christopher Coal Mining Co., No. 2, to Old Ben Coal Corporation, No. 11; United Coal Corporation, No. 1, to Old Ben Coal Corporation, No. 12; United Coal Corporation No. 2, to Old Ben Coal Corporation, No. 14; Middle Fork Mining Company to United States Fuel Co., No. 1; Producers Coal Company No. 18, to By-Products Coke Corporation, No. 18; Producers Coal Company, No. 19, to By-Products Coke Corporation, No. 19; Eldorado Coal & Mining Co., to Dering Mines Company No. 3; Gallatin Coal & Coke Company to Northern Coal Co., No. 4; Harrison Bros. to Sisk, Flanders and White; Wm. H. McLean to Frank Genor & Son; W. R. Henshaw to W. J. Fife; Almon Russell to Davis & Hanald; Mag Sisk to John Reynolds.

PROSPECTIVE MINES.

The Franklin Coal Mining Company, a new company of Franklin County, is sinking a mine about one mile northeast of the center of Benton. Ground was broken on July 1, 1917. The hoist shaft is 11 feet 4 inches by 17 feet 2 inches, to be equipped with self-dump cages. The air shaft is 11 feet 4 inches by 15 feet 2 inches. The shafts will be 600 feet deep to No. 6 coal. The mine is to be modern and is designed for an output of 4,000 tons daily. The immediate railroad connections to this mine will be the C. & E. I. and I. C.; later, connections will be made with the C., B. & Q. and St. L., I. M. & S.

The Modern Coal Company, a new company of Franklin County, is sinking a mine one-half mile north of Sesser on the C., B. & Q. R. R. The hoist shaft is 11 feet 4 inches by 17 feet 3 inches, to be equipped with self-dump cages. The air shaft is 11 feet by 15 feet. The shafts will be 660 feet to No. 6 coal. The coal at this location is 9 feet thick. The mine is to be modern and will be equipped for a daily production of 4,000 tons.

The Bell & Zoller Mining Company is sinking a new mine in Franklin County, located 2 miles south of mine No. 1; the new mine will be known as No. 2. The hoist shaft will be 21 feet 8 inches by 12 feet with concrete lining and steel "I" beam buntins, equipped to accommodate a 5¼-ton car. The air shaft will have three compartments: airway, stairway and cageway. It will be 22 feet 8 inches by 12 feet with concrete lining and steel "I" beam buntins. Material will be handled through the cageway of the air shaft. The tippie will be a 3-track steel structure, equipped with shaker screens. Coal under two inches will be resized in a rescreener. Mine and equipment are planned for a capacity of 5,000 tons per day. Railroad connections are C., B. & Q., St. L., I. M. & S. and I. C.

The Valier Coal Company, a new company of Franklin County, is sinking a mine one mile north of Valier on the C., B. & Q. R. R. The hoist shaft is 15 feet by 22 feet 6 inches over all, and will be equipped with self-dumping skips, the coal to be dumped into the skips on the shaft bottom by means of a rotary dump. The air shaft is 17 feet by 33 feet 2 inches over all. It will be divided into three compartments, airway, stairway and cageway.

Both shafts will be lined with concrete walls. They will be 586 feet deep. Coal at this location is 10 feet 8 inches thick. The mine is designed for 5,000 tons daily capacity.

The Saline County Coal Company, mine No. 4, now being sunk in Saline County, is located in Brushy Township, approximately 5 miles west of Harrisburg and will be one of the modern mines of Southern Illinois. It is designed for a daily production of 4,000 tons. The shafts will be 300 feet deep and seam No. 5 will be mined. The hoist shaft will be 12 feet 6 inches by 21 feet. The air shaft will have three compartments, airway, stairway and cageway. It will be 12 feet 6 inches by 26 feet 4 inches. These shafts will be of steel and concrete construction throughout.

The Dering Coal Company is sinking mine No. 2 in Saline County, $2\frac{1}{2}$ miles northwest of Eldorado on the Illinois Central Railroad. Later connections will be made to the Big Four and the L. & N. Railroads. The mine is to be modern throughout and equipped to handle 4,000 tons daily. The hoist shaft is 11 feet 4 inches by 17 feet. The air shaft is 11 feet 4 inches by 18 feet. The coal seam is No. 5, 460 feet from the surface and is 5 feet 6 inches thick. The development is upon a permanent plan. Power and machinery installed for sinking are those to be used permanently.

The proposed Wasson Coal Company, No. 3, mine, will be located in Saline County, $1\frac{1}{4}$ miles west of Eldorado on the Illinois Central Railroad. Later connections will be made to the Big Four and L. & N. Railroads. The mine is to be equipped for 2,000 tons daily output. Both shafts will be 8 feet by 16 feet, 410 feet to the coal. The coal mined will be seam No. 5, which is 5 feet 6 inches thick at this locality.

The Heato Coal Company of Carriers Mills, Saline County, has completed the driving of a new slope. This is 135 feet long upon a 30 per cent incline. The tippie is 15 feet by 45 feet by 26 feet high with a dumping capacity of 500 tons. It is equipped with two railroad tracks. The incline is equipped with a double track and hoisting will be done by an electric motor. A concrete man-way will be added in the near future. Other installations are a 15 feet by 30 feet office and shop building, 20 mine cars, electric pump and fan to be operated by an electric motor. The railroad connection is the S. I. R. & P. Co. (Electric.)

IMPROVEMENTS.

The Benton Coal Company is sinking a new air shaft 3,500 feet west of their hoisting shaft. A home trade chute and screening elevator in the main shaft tippie has been installed. Other improvements are as follows: Ten chain breast mining machines with 7-foot cutter bars, two 10-ton locomotives, 150 3-ton mine cars, 800 feet 1,600,000 lead covered cable and 5,000 feet 800,000 lead covered cable.

The Sesser Coal Company has retimbered the air shaft, added three long-wall mining machines with 6-foot cutter bars to the underground equipment and built concrete blacksmith shop 30 feet by 40 feet, concrete machine shop 40 feet by 40 feet, and concrete repair shop, 30 feet by 40 feet.

The Chicago, Wilmington and Franklin Coal Co. has added a 400 horsepower water tubular boiler to the power plant; installed the material and man cage in the cage compartment of the air shaft and added a water softener for boiler feed; two storage tracks and a trestle 500 feet long and 7 feet high have been built near the mine and 15 25-ton air dump railroad cars and two clam shell cranes have been added for the storage of coal. The original 40-ton drum has been exchanged for a 20-ton drum in the engine room. A 16 feet by 32 feet brick powder house, 74 4- and 5-room miners' houses, 2 6-room officials' houses and an additional 24 feet by 36 feet extension to the wash house have been built. A second story containing five rooms has been built on to the mine office. The following additions have been made in the mine: Two 15-ton locomotives, 2 8-ton locomotives, 2 $6\frac{1}{2}$ -foot cutter bar short-wall mining machines, 3 $7\frac{1}{2}$ -foot cutter bar short-wall mining machines and 120 4-ton mine cars.

The West Frankfort Coal Company has added a new 200 horsepower boiler and stack, together with the necessary extension in the boiler room, three chain breast mining machines, with 6½-foot cutter bars, 40 3½-ton mine cars, and an electric mine pump, 3-inch discharge and 4-inch suction. The main haulage roads have been changed to 40-pound rails. A frame stable has been erected 40 feet by 80 feet. Storage track for railroad cars has been increased. A 15-ton electric locomotive is now being installed. A steel tower has been ordered to replace the wood tower now in use.

The Western Coal and Mining Company broke ground for their mine No. 2, in the extreme southwest corner of Franklin County, on July 1, 1916. Both shafts are 10 feet by 15 feet. The coal is 152 feet below the surface and 9½ feet thick. The hoist is equipped with self-dump cages, steel guides, buntins and wall plates. The plant is designed for a daily capacity of 3,500 tons. The engine room is 48 feet by 62 feet, steel frame and stucco. The boiler room is 48 feet by 72 feet, steel frame and stucco. The hoist engine is 24 inches by 36 inches with 6½-foot drum, steam brake, steam reverse and emergency valve. There are four 250 horsepower 4-inch return tubular boilers equipped with water level regulators, automatic stops and checks and a steam jet ash conveyor. The stack is of concrete, 105 feet high. A water softening system for the use of mine water is now being installed. A 200 kilowatt generator is direct connected to a 22-inch by 22-inch engine. Other buildings are the office and shop building 25 feet by 140 feet, steel frame and stucco, wash house, 30 feet by 70 feet, to be equipped with hangers. A temporary 8-foot high speed fan is now in use, and a 25-acre reservoir has recently been completed. The most important underground installations are 6 short-wall mining machines, 1 10-ton locomotive, 150 3½-ton mine cars with roller bearing wheels and 42-inch track gauge. The shaft bottom is 380 feet long and designed to handle cars by gravity.

The W. P. Rend Collieries Company has put in 75 3-ton mine cars and one electric pump. New air courses are being driven to connect both sides of the shaft in the interior of the mine.

The improvements made by the Old Ben Coal Corporation for the year are shown for each mine as follows:

Mine No. 8.—One brick stack 125 feet high, 11 feet by 11¼ inches wide at bottom by 8 feet 2¼ inches at top; three John O'Brien boilers, 72 inches by 18 feet, 125-pound pressure; brick addition to boiler room, 20 feet by 40 feet; brick addition to power house, 20 feet by 50 feet; one Allis Chalmers generator, 300 kilowatts, 275 volts, full load, 1,090 amperes, 490 r. p. m.; eight mine telephones underground; one 75 horsepower Western Electric motor, 4 pole, 230 volts d. c., 775 r. p. m.; one 250 horsepower internally fired Freeman boiler; three 48-inch by 72-inch shaker screens; two link-belt locomotive cranes, 135 pounds steam pressure, 2-inch flues; one 16 by 24 four-wheel saddle tank locomotive, type O-40; 125 mine car bodies complete with Sanford-Day mine car trucks; 128 self-closing patent door lockers; one 16-inch by 7-foot screw body cutting engine-lathe; one Western Electric motor, 220 volts, 1,000 r. p. m. for above lathe; four mining machines; four 8-ton gathering locomotives; one 10 by 6 by 12 duplex end OEP turret pump, 6-inch suction, 5-inch discharge; one Cochrane heater, 500 gallons capacity; 5,080 feet wire fence; one brick heater house, 10 feet by 12 feet.

Mine No. 9.—One 7-inch by 4½-inch by 10-inch duplex turret pump; eight mine telephones below; one supply house on top, wooden structure, stucco finish, 40 feet by 70 feet; one black oil tank, capacity 3,000 gallons; one storage plant and equipment; one check house on top, wooden structure, stucco finish; one generator, 500 kilowatts; one Corliss engine, 275 volts full load, d. c.; 250 mine cars with Sanford-Day trucks complete; 128 wash house lockers; four mining machines; three 8-ton gathering motors; two 400 horsepower vertical boilers; one new scale house, stucco finish, 18 feet by 20 feet. A large clam-shell steam shovel has been installed for the storage of coal adjacent to the mine. The coal is dumped from the rescreener into an excavation then is picked up by the clam-shell and is transported by the boom and railroad spur, upon which the shovel car travels, and dumped into large circular piles.

Mine No. 10, Christopher.—One new hoisting engine; a 20-foot by 20-foot addition to the boiler room; one 150 horsepower return tubular boiler. The machine shop and wash house have been doubled in size.

Mine No. 11, Christopher.—A 30-foot by 30-foot extension to the wash house; a 30-foot by 75-foot extension to the machine shop and a brick warehouse 45 feet by 90 feet have been built; a 2,500 kilowatt generator set has been added to the power plant.

Mine No. 12, Christopher.—Two 6-ton gathering locomotives; two chain breast machines; 32 3-ton mine cars; three 150 horsepower return tubular boilers.

Mine No. 14, Buckner.—One 6-ton gathering locomotive; four chain breast machines; one 200 kilowatt d. c. generator ventilating fan; one 550 horsepower boiler; three loading booms and picking tables; 25-foot by 35-foot addition to machine shop.

The Taylor Collieries Company's mine, No. 6, formerly operated by the Hart-Williams Coal Company, was reopened during August, 1916, after being closed down for 18 months. The entire equipment on top and in the interior of the mine has been overhauled. A new galvanized iron boiler house has been built and the office building enlarged. The tippie is now being recovered. In the mine all air courses have been reopened, tracks relaid and partings extended. Main air courses and haulage roads have been retimbered. Twelve mining machines have been rebuilt and two mining machines added.

The Franklin Coal & Coke Company, mine No. 1, has replaced its tippie, which was partially consumed by fire in September, 1916, and equipped it with new shaker screens and scales. Other new installments are a fan engine, 25 houses, two 5-ton gathering locomotives, two 6-ton storage battery gathering locomotives, one short-wall mining machine, 50 3-ton roller bearing mine cars. The shaft bottom at mine No. 2 has been retimbered and motor haulage is being installed.

At the Bell & Zoller Mining Company's mine No. 1, Zeigler, the coal is hoisted in skips which have a capacity of 8 tons each. The skips are loaded from a hopper which has a capacity of 60 tons, and the hopper is built below the level of the coal adjacent to the hoisting shaft. Originally the car bottoms were hinged and held by dogs; these were loosened by hand as the loaded cars passed over the hopper, the coal falling through the bottom of the car into the hopper. Much trouble was experienced because frequently the coal would arch in the cars. The doors often would drop while enroute to the bottom keeping the haulage roads covered with coal and coal dust. To overcome this trouble a rotary dump has been installed and all of the mine cars equipped with solid bottoms. The dump dumps two cars at a time and has a capacity of 16,000 tons per day of 8 hours. The dump is operated by compressed air. The cars enter one end, stop automatically, then depart out of the other end. Additional installations are 200 $4\frac{1}{2}$ -ton mine cars, two breast mining machines, one 100 kilowatt generator, one storage bin, 900 tons capacity.

The By-Products Coke Corporation, at mine No. 18, has laid out a town site and 60 miners' houses and five officials' houses are being built. These are all to be equipped with running water, sewerage and electric lights. The name of the new town is Caldwell and is $2\frac{1}{2}$ miles northeast of West Frankfort. A new air course is being driven around the old air course, which was partly destroyed at the time of the fire and explosion eight years ago. At mine No. 19 the steel tippie has been completed. All of the mechanism in the tippie is operated by individual motors. A water heating system has been installed and 50 $2\frac{1}{2}$ -ton mine cars added.

The Taylor Mining Company, mine No. 5, (Possum Ridge), has recently installed two new self-dump cages and a new hopper. Forty 3-ton mine cars have been added. The bottom run-around has been completed through a fault of 200 feet of rock. The 3 and 4 southwest entries have been driven through a fault 258 feet long. The main entry is timbered with "I" beams and steel legs set on low concrete walls throughout the length of the fault.

The Saline County Coal Company of Harrisburg has built a 25-foot by 33-foot brick wash house at their mine No. 2. A combination loading boom and picking table equipped with an operating motor, 50 2½-ton mine cars and one 10-ton locomotive have been installed. At mine No. 3 the following additions have been made: A combination loading boom and picking table; gravity railroad car retarders; wash house of brick increased to 25 feet by 66 feet, equipped with two boilers 72 inches by 18 feet, with water softening system; steam separators on all steam engines; one 300 kilowatt motor generator set and transformer station for stepping 13,200 volts to 2,200 volts; electric shop transferred to the shaft bottom; one 10-ton locomotive; three 6-ton gathering locomotives; three chain breast machines, with 7-foot cutter bars; one short-wall machine; 400 4½-ton mine cars, and one tandem control 12-ton locomotive. Acid water from old workings has been very troublesome in this mine. The system proving effective has been the installation of 2,500 feet of wood pipe. At mine No. 6, known as the Grayson mine, a new galvanized iron machine shop, 48 feet by 84 feet; a brick boiler house, 54 feet by 90 feet, and an engine house 50 feet by 54 feet, are now being completed. A brick office, 20 feet by 42 feet, a fireproof powder house, a brick wash house, and 20 4-room miners' houses have been recently built. The additional underground equipment is as follows: Eight short-wall mining machines, 6½-foot bars; 100 2½-ton mine cars; one 6-ton locomotive; a new 100 kilowatt generator and two additional boilers are now being installed.

The improvements made by the O'Gara Coal Company for the year are shown for each mine as follows:

Mine No. 1.—Two 150 horsepower boilers and stacks; two 200 kilowatt motor generator sets; 50 2-ton mine cars; one boiler coal conveyor; one boiler and engine house, 103 feet by 56 feet frame structure, galvanized siding, asbestos roofing; one wash house, 40 feet by 50 feet; one fireproof underground mule stable, bottom enlarged and rearranged.

Mine No. 3.—One wash house, 40 feet by 50 feet; one boiler and engine house, 130 feet by 56 feet; one 10-ton motor; one automatic steam car lift; bottom rearranged and enlarged.

Mine No. 8.—One 150 horsepower high speed fan engine; one 225 horsepower high speed engine; one 150 kilowatt generator; one 150 horsepower boiler and stack; two smoke stacks, 60 feet by 36 inches diameter; 50 pit cars, 2-ton capacity; one 10-ton locomotive; one boiler house, 110 feet by 60 feet; one wash house, 30 feet by 40 feet; one office and supply room, 16 feet by 26 feet; railway tracks relaid with heavy rails, 60-pound rails being placed on the bottom and main entries; bottom enlarged and retimbered; air courses cleaned and timbered; four short-wall mining machines.

Mine No. 9.—Fifty pit cars, 3-ton capacity; two smoke stacks, 60 feet by 36 inches in diameter; two electric pumps; two short-wall mining machines.

Mine No. 10.—Seventy-five pit cars; one 50 horsepower fan engine; one wash house, 40 feet by 50 feet; one lower section shaker screen; bottom retimbered and new north air course from bottom to 5th northeast completed.

Mine No. 11.—One wash house 40 feet by 50 feet; 75 pit cars.

Harrisburg Big Muddy Coal Company at No. 12 mine, has reset four boilers, installed 50 pit cars, 3-ton capacity, one 100 kilowatt motor generator set, built wash house and feed barn. At mine No. 14 a wash house, 40 feet by 50 feet has been built and north side of mine opened up by rebuilding 3,000 feet of motor road.

Harrisburg Saline Colliery Company at No. 15 mine, has built a wash house 20 feet by 30 feet, installed two short-wall mining machines, one 10-ton electric locomotive, one 250 horsepower boiler and one 150 kilowatt generator and one 225 horsepower high speed engine.

The Dering Mines Company, mine No. 3, has made the following improvements: Three 18-foot by 72-inch boilers, 150 horsepower each; a coal crusher, 2,000 tons daily capacity; a machine shop and supply house; a high speed ventilating fan. In the interior of the mine 50 2½-ton mine cars and three 6½-foot cutter bar short-wall mining machines have been added. Air courses are being reopened and cleaned.

The Wasson Coal Company of Harrisburg has built a miners' wash house and installed one 200-kilowatt generator set at No. 1 mine. At No. 2 mine the following improvements have been made: Twenty 4-room miners' houses, one 150-kilowatt motor generator set, two short-wall mining machines one 7-ton locomotive, concrete portal and wings to mouth of slope and concrete man-way to bottom of slope. A wash house for miners has also been built.

The White County Mining and Power Company has made extensive improvements, the most important are as follows: Mule barn to hold 20 mules; 20 feet by 40 feet wash room; 16 feet by 30 feet office building; tippie rebraced and covered with galvanized sheeting; new 18-inch by 36-inch hoisting engines; two new self-dumping cages, a 6-foot by 42-foot shaker screen, and 60 new 2½-ton mine cars, have been added. The railroad yards have been increased to hold 27 loads and 27 empties. Arrangements are now being made to install a high speed ventilating fan, new boiler, generator and generator engine.

FATAL ACCIDENTS.

July 6, 1916, Henry Genrich, miner, age 56 years, single, was killed in Sesser Coal Company's mine, Sesser, Franklin County, by being crushed between the end of a car he was loading and the face of his room. The car was blocked on the track, which had a pitch of about 5 per cent grade toward the face, when one block slipped allowing the car to run onto him.

July 25, 1916, Charles N. Mick, miner, age 50 years, married, was run over and killed by a pit car in O'Gara Coal Company's No. 9 mine, Dorrisville, Saline County. Just before quitting time, deceased and his partner were walking out of the mine along the main entry which dipped at about 2½ per cent grade in the direction they were going. The last motor trip for the day came from behind them and they stepped into a man-hole until it had passed when they resumed their journey. The noise of the on-going trip prevented them from hearing the approach of two cars which had gotten away from the drivers on the parting at the top of the hill, due to a lack of sprags at the proper place and the breaking of the emergency block, and the deceased was run over, resulting in his death about two hours later. He leaves a widow and seven children.

August 4, 1916, Charles Solo, miner, age 51 years, married, died from the effects of injuries received July 26, when two runaway cars from a motor trip struck an empty he was pushing in Producers Coal Company's mine No. 18, West Frankfort, Franklin County. He leaves a widow and three children.

August 15, 1916, Henry Taborn, motorman, age 24 years, married, employed in Wasson Coal Company's No. 2 mine, Carriers Mills, Saline County, while pushing a car loaded with iron pipes around a curve with his motor one of the pipes came in contact with the trolley wire and he was electrocuted. He leaves a widow and two children.

August 21, 1916, Frank Munding, miner, age 36 years, married, was killed by falling coal in Taylor Mining Company's Possum Ridge mine, Freeman, Franklin County. He leaves a widow and five children.

September 8, 1916, Sanford McClintock, miner, age 48 years, married, was killed by falling coal in Taylor Collieries Company's No. 6 mine, Benton, Franklin County. He leaves a widow and one child.

September 16, 1916, Dennis Walker, miner, age 36 years, married, died from injuries received one week earlier by being caught under falling coal in O'Gara Coal Company's No. 9 mine, Dorrisville, Saline County. He leaves a widow and three children.

October 2, 1916, Robert Steen, trackman, age 38 years, married, died from injuries received three weeks before in Christopher Coal Mining Company's No. 2 mine, Christopher, Franklin County. Deceased was laying track in a room-neck when he was struck by a car which the motorman was pushing in. He was knocked down and dragged 15 or 20 feet, resulting in death as stated. He leaves a widow.

October 11, 1916, Alex Destro, miner, age 30 years, single, was killed by pit cars in Sesser Coal Company's mine, Sesser, Franklin County. Deceased was caught between a loaded car and a runaway empty and crushed.

October 16, 1916, Ira Grimes, trackman, age 57 years, married, was killed by pit cars in Old Ben Coal Corporation's No. 8 mine, West Frankfort, Franklin County. Deceased was working in place of the regular trapper and, while propping the door open with a piece of board, the motorman, who was coming with a trip of loaded cars, shouted at him to get out of the way. He ran beyond the wide place where he was wont to stand to allow the trips to pass and stopped in a place where there were but a few inches between the cars and coal rib and was caught before the trip could be stopped. He leaves a widow.

October 17, 1916, W. R. Overby, machine helper, age 29 years, married, employed in Wasson Coal Company's No. 2 mine, Carriers Mills, Saline County, died from injuries received April 11. Deceased sat down upon the gob near the face of the entry to await the cleaning up of the coal so as to take the machine into the working place when a rock fell breaking his back. He leaves a widow and three children.

October 22, 1916, George Toliski, driver, age 20 years, single, died from the effects of injuries received by being caught between pit cars and coal rib on October 16, in Producers Coal Company's No. 19 mine, West Frankfort, Franklin County.

October 24, 1916, John Morrison, miner, age 52 years, single, was killed by falling coal in Saline County Coal Company's No. 3 mine, Harrisburg, Saline County.

October 28, 1916, P. Z. Midgett, miner, age 28 years, married, was killed in Taylor Coal Company's No. 6 mine, Benton, Franklin County, by falling coal. He leaves a widow and one child.

November 11, 1916, Frank Gilbert, timberman, age 31 years, single, employed by Middle Fork Mining Company, Benton, Franklin County, was killed by falling coal. He leaves two dependents.

November 16, 1916, Lon Griffith, driver, age 27 years, married, was caught between pit car and coal rib and killed in W. P. Rend Colliery Company's mine, Rend, Franklin County. He leaves a widow and one child.

November 17, 1916, Clifford A. Smith, motorman, age 24 years, married, was struck by a falling prop and fell in front of his motor which ran over him, killing him instantly, in Chicago, Wilmington and Franklin Coal Company's mine, Orient, Franklin County. He leaves a widow.

November 30, 1916, Floyd R. Bettis, loader, age 19 years, died from injuries received on the 28th, in Middle Fork Mining Company's mine, Benton, Franklin County, by being caught between a car and the coal face. He leaves one dependent—mother.

December 10, 1916, John Edwards, driver, age 27 years, single, was killed in W. P. Rend Collieries Company's mine No. 1, Rend City, Franklin County, by being caught between a pit car and coal rib.

December 14, 1916, Thomas Foster, miner, age 21 years, died from burns received the previous day in John A. Logan Coal Company's mine, Logan, Franklin County, when a pocket of gas was ignited. Deceased was crossing a fall in a room which had caved to determine where the machine, which was cutting from the next room, would cut through. He carried a naked light which ignited the gas.

December 18, 1916, Elmer Deaton, trip rider, age 25 years, married, was killed in Saline County Coal Company's No. 3 mine, Harrisburg, Saline County, by a pit car which had run away. He leaves a widow.

December 22, 1916, Louis Koreo, miner, age 45 years, single, was killed by a motor in Christopher Mining Company's No. 2 mine, Christopher, Franklin County. Deceased was traveling along the main haulage way on his way to work when he was overtaken by a motor and stepped in front of it. In spite of the efforts of the trip rider, who was riding on the front end of the motor, to push him off the track, he was run over and death resulted ten hours later.

December 23, 1916, Wm. Lundak, trackman, age 44 years, single, died from burns received from an explosion of a pocket of gas on the 13th, in John A. Logan Coal Company's mine, Logan, Franklin County. This was the same explosion that caused the death of Thomas Foster, noted above. Deceased leaves one dependent.

December 23, 1916, Frank Grimes, motorman, age 21 years, single, was instantly killed when a pit car, which had been derailed and which he was blocking up, toppled over and crushed his head, in Saline County Coal Company's No. 3 mine, Harrisburg, Saline County. He leaves three dependents.

January 3, 1917, Loren O. Steinheimer, blacksmith, age 23 years, employed by United States Fuel Company, Benton, Franklin County, was found dead in his shop. His regular shift was from noon until 8 p. m.; a bright light in his shop at 10 p. m. attracted the attention of the night men, who upon investigation, found him lying upon the floor near the drill press, which was run by a small alternating current motor of 220 volts, stepped down from a high tension wire. No marks of violence or burns were found upon the body and although a verdict of electrocution was returned by the jury, there is no certainty as to the real cause of death. He leaves a widow.

January 13, 1917, John Estes, loader, age 46 years, married, was electrocuted in Eldorado Coal and Mining Company's mine, Eldorado, Saline County. Deceased was sitting in an entry cross-cut near his working place and close to a loaded car. In order for the driver to pass this car it was necessary for the deceased to move away and upon request he was doing so when he backed into a shallow hole became overbalanced and fell into the machine wires with the back of his neck against a live wire and in a sitting position upon the dead one. He was taken off almost immediately by the men who were with him and a prolonged attempt made by first aid men to resuscitate him but with no success. He leaves a widow and three children.

January 15, 1917, James Loman, driver, age 23 years, single, was caught between two pit cars and crushed to death in United States Fuel Company's mine, Benton, Franklin County. Deceased helped support his father, mother and three sisters.

January 17, 1917, Vint Fugitt, electrician, age 39 years, married, was electrocuted in O'Gara Coal Company's No. 3 mine, Harrisburg, Saline County. He leaves a widow.

February 7, 1917, Adolph Den Carpentier, loader, age 47 years, single, was killed in United Coal Corporation's No. 2 mine, Buckner, Franklin County, by pit cars. Deceased was on his way to the bottom and had stepped to one side to allow a trip of empty cars to pass. The trip had come uncoupled and when he stepped on the track to resume his journey was struck by the uncoupled part, knocked down, run over and instantly killed.

February 14, 1917, Henry Myers, loader, age 43 years, married, was killed by falling coal in Bell and Zoller Mining Company's mine, Zeigler, Franklin County. He leaves a widow and three children.

February 21, 1917, John W. Pierce, dock boss, age 44 years, married, was killed by railroad cars at United States Fuel Company's mine, Benton, Franklin County. He leaves a widow and two children.

February 26, 1917, Earnest Batty, driver, age 23 years, married, was killed in O'Gara Coal Company's No. 11 mine, Eldorado, Saline County. Deceased was driving a team from a mule parting to a motor parting with two loads and had reached the motor parting and evidently was unhooking the tail chain when he fell, the front car running upon him, killing him instantly. He leaves a widow and one child.

February 27, 1917, George Whaley, driver, age 24 years, single, was killed in W. P. Rend Collieries Company's No. 1 mine, Rend, Franklin County. Deceased was driving and while hooking the tail chain onto moving cars stepped onto the bumper; the cars ran against the mule, shoving the driver off the car against the rib. The mule then pulled the car, squeezing him between the car and coal rib.

March 12, 1917, Arthur Johnson, loader, age 27 years, single, was killed by falling coal in O'Gara Coal Company's No. 3 mine, Harrisburg, Saline County. He leaves one dependent—mother.

March 14, 1917, Joe Gamber, trip rider, age 30 years, single, came to his death from injuries received by a fall of coal while working in the Christopher Coal and Mining Company's No. 1 mine, Christopher, Franklin County.

March 28, 1917, Charles Teamon, laborer, age 23 years, married, was killed at mine No. 2, Christopher Coal and Mining Company, Christopher, Franklin County. Deceased was taking refuse from the picking table. This table is moved slowly by means of a 3-foot cog wheel and 10-inch pinion. While in the act of shoveling the refuse onto the rock table he fell or was drawn into the cogs and killed almost instantly. He leaves a widow.

March 29, 1917, Stanley Smith, laborer, age 18 years, single, was killed by railroad cars at mine No. 2, United Coal Mining Company, Buckner, Franklin County. Deceased had just finished pinching a partly loaded car back to its proper position under the tipple and was leaning against the front end of the car when it was struck by four empties knocking him down and crushing him against the ground.

April 4, 1917, Natale Schrivanih, trip rider, age 28 years, single, was caught between end of car and coal rib and killed in Bell and Zollar Mining Company's mine, Zeigler, Franklin County.

April 4, 1917, Sam Perpich, loader, age 42 years, married, was killed in Sesser Coal Company's mine, Sesser, Franklin County. Deceased was assisting timbermen to make safe a dangerous place in the roof. The roof began to chip and show signs of falling and in running away he tripped and fell and was covered with several tons of coal and shale. He leaves a widow and four children.

April 9, 1917, Johnathan Pickering, loader, age 38 years, married, was killed in O'Gara Coal Company's No. 9 mine, Harrisburg, Saline County. Deceased was helping place a derailed car on the track when he fell striking his head against a rock, causing death eight hours later.

April 10, 1917, S. Noah McMurphy, fireman, age 35 years, married, was killed by explosion of a boiler at Old Ben Coal Corporation's mine, No. 8, West Frankfort, Franklin County. He leaves a widow and two children.

April 12, 1917, Ureis Parrott, laborer, age 46 years, married, was killed by railroad cars in Franklin Coal and Coke Company's No. 1 mine, Royalton, Franklin County.

April 14, 1917, Peter Schroers, Jr., trip rider, age 18 years, single, employed in Chicago, Wilmington and Franklin Coal Company's mine, Orient, Franklin County, was killed. Through a misunderstanding of signals two motor trips were meeting; deceased jumped to where the rib was very close to the track and was dragged and rolled about three car lengths, resulting in almost instant death.

April 19, 1917, Ralph Harris, trip rider, age 24 years, single, was killed in Franklin Coal and Coke Company's No. 1 mine, Royalton, Franklin County. Deceased jumped off the motor to throw a switch and in doing so evidently twisted his foot upon a lump of coal throwing him down in the middle of the track and was rolled and crushed by motor. He died while being taken to shaft bottom.

April 23, 1917, Mike Mickner, shot firer, age 43 years, married, was killed in Chicago, Wilmington and Franklin Coal Company's mine, Orient, Franklin County, by being crushed between a pit car and side of cage. He leaves a widow and three children.

May 2, 1917, Peter Doyle, laborer, age 50 years, married, was killed by a fall of coal in Old Ben Coal Corporation's No. 9 mine, Frankfort Heights, Franklin County. He leaves a widow and three children.

May 9, 1917, Samuel Coleman, driver, age 32 years, married, employed in Franklin Coal & Coke Company's No. 2 mine, Royalton, Franklin County, was killed by being kicked by a mule. The accident was not considered serious at the time but he died in a few hours. He leaves a widow and five children.

May 12, 1917, Joseph B. Easton, miner, age 23 years, married; Walter Easton, miner, age 17 years, single; Walter Calhoun, mine examiner, age 30

years, married, and Claude Humphrey, miner, age 28 years, married, employed in Saline County Coal Company's No. 6 mine, Grayson, Saline County, were killed by an explosion of gas. Joseph B. Easton, Calhoun and Humphrey, each leave a widow.

May 14, 1917, Robert Council, cager, age 32 years, married, was killed in Taylor Collieries Company's No. 6 mine, Benton, Franklin County, by pit cars. He leaves a widow.

May 25, 1917, Truman Jennings, driver, age 20 years, married, was killed in Wasson Coal Company's No. 1 mine, Wasson, Saline County. Deceased had brought his mule to assist another driver in placing a car onto the track on the haulage entry. After placing the car he turned his mule to pass between the car and rib when the other driver's mule started pulling the car and catching him between the car and coal rib. The accident occurred May 14, and at the time was not considered serious. He leaves a widow.

June 2, 1917, Andrew Dudash, assistant mine manager, age 34 years, married, was killed in Bell & Zollars' mine, Zeigler, Franklin County, by pit cars. Deceased had just removed a large piece of wood from the run-around switch which a motor with an empty trip was entering and was standing between the moving trip and a concrete wall. Two empty cars came from the automatic dump at the shaft bottom and crashed into the side of this empty trip turning one of the cars against the deceased crushing him so badly that he died in a few hours. He leaves a widow and two children.

June 7, 1917, Albert Mick, miner, age 49 years, married, was killed by falling slate in O'Gara Coal Company's No. 9 mine, Dorrisville, Saline County. He leaves a widow and four children.

Respectfully submitted,

J. E. JONES,
Inspector, Benton, Illinois.

FATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
July 6	Henry Genrich.....	56	Miner.....	Sesser.....	1					Pit car.
25	Charles N. Mick.....	50	do.....	Dorrisville.....	1	1	7	6		Pit cars.
Aug. 4	Charles Solo.....	51	do.....	W. Frankfort.....	1	1	3	4		Pit cars.
15	Henry Taborn.....	24	Motorman.....	Carriers Mills.....	1	1	2	3		Electrocuted.
21	Frank Mundinger.....	33	Miner.....	Freeman.....	1	1	5	6		Falling roof.
Sept. 8	Sanford McClintock.....	48	do.....	Benton.....	1	1	1	2		Falling coal.
16	Dennis Walker.....	35	do.....	Harrisburg.....	1	1	3	4		Falling slate.
Oct. 2	Robert Steen.....	38	Trackman.....	Divernon.....	1	1		1		Pit cars.
11	Alex Destro.....	30	Miner.....	Sesser.....	1	1				Pit cars.
16	Ira Grimes.....	57	Trackman.....	W. Frankfort.....	1	1	1	1		Pit cars.
17	W. R. Overby.....	29	Machine helper.....	Harrisburg.....	1	1	3	4		Falling rock.
22	George Toliski.....	20	Driver.....	W. Frankfort.....	1	1				Pit car.
24	John Morrison.....	52	Miner.....	Harrisburg.....	1	1				Falling coal.
28	P. Z. Midyett.....	28	do.....	Benton.....	1	1	1	2		Falling coal.
Nov. 11	Frank Gilbert.....	31	Timberman.....	Patoca, Ind.....	1	1	2	2		Falling coal.
16	Lon Griffith.....	27	Driver.....	Rend.....	1	1	1	2		Pit car.
17	Cliford A. Smith.....	24	Motorman.....	W. Frankfort.....	1	1		1		Motor.
30	Floyd R. Bettis.....	19	Loader.....	Benton.....	1	1		1		Pit car.
Dec. 10	John Edwards.....	27	Driver.....	Herrin.....	1	1				Pit car.
14	Thos. Foster.....	21	Miner.....	Muddy.....	1	1				Gas explosion.
18	Elmer Deaton.....	25	Trip rider.....	Harrisburg.....	1	1		1		Pit car.
22	Louis Koroce.....	45	Miner.....	Christopher.....	1	1				Motor.
23	Wm. Lundak.....	44	Trackman.....	Logan.....	1	1	3	1		Gas explosion.
23	Frank Grimes.....	21	Motorman.....	Dorrisville.....	1	1		3		Pit car.
1917										
Jan. 3	L. O. Steinheimer.....	23	Blacksmith.....	Benton.....	1	1		1		Electrocuted.
13	John Estes.....	46	Loader.....	Eldorado.....	1	1	3	4		Electrocuted.
15	James Loman.....	23	Driver.....	Benton.....	1	1				Pit cars.
17	Vint Fugitt.....	39	Electrician.....	Harrisburg.....	1	1		1		Electrocuted.

FATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1917										
Feb. 7	Adolph DenCarpentier.	47	Loader.	Christopher.	1					Pit car.
14	Henry Myers.	43	do.	Plumfield.	1	1	3	4		Falling coal.
21	John W. Pierce.	44	Dock boss.	Benton.	1	1	2	3		Railroad cars.
26	Earnest Batty.	23	Driver.	Eldorado.	1	1	1	2		Pit car.
27	George Whaley.	24	do.	Benton.	1	1				Pit car.
Mar. 12	Arthur Johnson.	27	Loader.	Harrisburg.	1				1	Falling coal.
14	Joe Gamber.	39	Trip rider.	Christopher.	1					Falling coal.
28	Charles Teamon.	23	Laborer.	do.	1	1	1	1		Caught in machinery.
29	Stanley Smith.	18	do.	Buckner.	1	1				Railroad car.
Apr. 4	Natale Schriwanich.	28	Trip rider.	Zeigler.	1					Pit car.
4	Sam Perpieh.	42	Loader.	Sesser.	1	1	4	5		Falling rock.
9	Johnathan Pickering.	38	Loader.	Dorrisville.	1	1	3	4		Fell, striking head against rock.
10	S. Noah McMurphy.	35	Fireman.	W. Frankfort.	1	1	2	3		Boiler explosion.
12	Ureis Parrott.	46	Laborer.	Royalton.	1	1	2	3		Railroad cars.
14	Peter Schroors, Jr.	18	Trip rider.	W. Frankfort.	1					Pit car.
19	Ralph Harris.	24	do.	Royalton.	1	1				Motor.
23	Mike Mickner.	43	Shot firer.	Orient.	1	1	3	4		Pit car.
May 2	Peter Doyle.	59	Laborer.	Frankfort Hts.	1	1	3	2		Falling coal.
9	Samuel Coleman.	32	Driver.	Royalton.	1	1	5	6		Kicked by mule.
12	Joseph B. Easton.	23	Miner.	Grayson.	1	1	1	1		Gas explosion.
12	Walter Easton.	17	do.	do.	1	1				Gas explosion.
12	Walter Calhoun.	39	Mine examiner.	do.	1	1				Gas explosion.
12	Claude Humphrey.	28	Miner.	do.	1	1	1	1		Gas explosion.
14	Robert Council.	32	Cager.	Benton.	1	1	1	1		Pit car.
25	Truman Jennings.	29	Driver.	Wasson.	1	1	1	1		Pit car.
June 2	Andrew Dulas.	34	Assistant mine manager.	Zeigler.	1	1	2	3		Pit car.
7	Albert Mick.	49	Miner.	Dorrisville.	1	1	4	2		Falling slate.
	Total.				34	21	34	68	98	

RECAPITULATION OF FATAL ACCIDENTS, ELEVENTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Benton.	8	Asst. mine manager	1	Boiler explosion.	1	Bell & Zollar M. Co.	3
Buckner.	1	Blacksmith.	1	Caught in machinery	1	By-products Coke Corp.	2
Carriers Mills.	1	Cager.	1	Electrocuted.	4	C. W. & F. Coal Co.	3
Christopher.	4	Dock boss.	1	Falling coal.	8	Derring Mines Co.	1
Divernon.	1	Drivers.	8	Falling rock.	2	Franklin C. & C. Co.	3
Dorrisville.	4	Electrician.	1	Falling roof.	1	John A. Logan C. Co.	1
Eldorado.	2	Fireman.	1	Falling slate.	2	O'Gara Coal Co.	1
Frankfort Heights.	1	Laborers.	4	Fell.	1	Old Ben Coal Corp.	4
Freeman.	1	Loaders.	7	Gas explosion.	6	W. P. Rend Coal Co.	12
Grayson.	4	Machine helper.	1	Motor.	3	Saline Co. Coal Co.	7
Harrisburg.	6	Mine examiner.	1	Mule, kicked by.	1	Sesser Coal Co.	3
Herrin.	1	Miners.	15	Pit cars.	22	Taylor Coal Co.	4
Logan.	1	Motormen.	3	Railroad cars.	3	United States Fuel Co.	5
Muddy.	1	Shot firer.	1			Wasson Coal Co.	3
Orient.	1	Timberman.	1				
Plumfield.	1	Trackmen.	3				
Rend.	1	Trip riders.	5				
Royalton.	3						
Sesser.	3						
Wasson.	1						
West Frankfort.	6						
Zeigler.	2						
Patoca, Ind.	1						
Total.	55		55		55		55

NONFATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916 July	1 Charles Belkis.....	43	W. Frankfort..	1	....	1	2	Finger broken, caught under block.....	39
	1 Charles Matlow.....	31	do.....	1	....	1	2	Collar bone broken, pit car.....	53
	7 Fred Wlotzka.....	38	do.....	1	....	3	4	Back injured, falling slate.....	300
	7 Stanley Yukobinis..	37	Benton.....	1	....	5	6	Leg broken, jack pipe.....	328
	7 Paul Suptich.....	25	Zeigler.....	1	....	2	3	Body injured, falling rock.....	39
	8 Thos. H. Chinn.....	28	Eldorado.....	1	....	3	4	Head injured, falling rock.....	38
	10 Elgin Carr.....	33	Orient.....	1	....	3	4	Ankle injured, fell from engine.....	35
	10 John Carro.....	24	W. Frankfort.....	1	....	1	....	Foot broken, falling rail.....	91
	11 Peter Kahado.....	24	Christopher.....	1	....	1	....	Toe broken, pit car.....	36
	11 John Grimaldo.....	28	Sesser.....	1	....	1	....	Collar bone broken, pit car.....	100
	13 F. Greenwood.....	23	Christopher.....	1	....	1	2	Foot injured, stepped on nail.....	40
	13 Nick Kraechou.....	48	Sesser.....	1	....	1	....	Head injured, falling coal.....	*
	15 John Groocess.....	37	Benton.....	1	....	2	3	Body injured, falling coal.....	45
	17 James Flinos.....	25	Buckner.....	1	....	1	....	Toe broken, falling bar.....	30
	18 W. J. Brown.....	61	Orient.....	1	....	5	6	Leg broken, motor.....	90
	19 Sam Wakeland.....	55	Grape Creek.....	1	....	3	3	Leg injured, falling coal.....	38
	19 Thomas Sofranka.....	41	Harrisburg.....	1	....	5	5	Body injured, falling coal.....	60
	19 Peter Marion.....	40	Christopher.....	1	....	2	3	Leg injured, not stated.....	63
	19 Charles Bell.....	36	W. Frankfort.....	1	....	1	1	Hand injured, falling rock.....	104
	23 Tony Kelensky.....	30	Royalton.....	1	....	1	....	Ankle injured, falling coal.....	30
	24 Albert Edwards.....	40	W. Frankfort.....	1	....	3	4	Foot broken, pit car.....	170
	24 Carl Hinds.....	19	Christopher.....	1	....	1	....	Foot broken, motor.....	*
	24 Fred Weible.....	52	W. Frankfort.....	1	....	10	11	Foot injured, motor.....	87
	26 John Chaffin.....	43	Benton.....	1	....	6	7	Body injured, pit car.....	66
	27 Dave Gault.....	54	Eldorado.....	1	....	6	7	Foot broken, falling coal.....	40
	28 Anthony Bolkus.....	34	Dorrisville.....	1	....	3	4	Body injured, falling coal.....	40
	29 E. A. Critz.....	34	W. Frankfort.....	1	....	1	2	Arm broken, falling coal.....	150
	31 T. W. Wright.....	23	Orient.....	1	....	1	....	Collar bone broken, falling coal.....	45
Aug.	1 Paul Brayfield.....	16	Christopher.....	1	....	1	....	Leg broken, fell off re-screener.....	*
	1 Martin Uratovich.....	29	Zeigler.....	1	....	1	....	Body injured, falling coal.....	51
	4 C. Bloomer.....	16	W. Frankfort.....	1	....	1	....	Hand injured, pit car.....	37
	5 Robert Rentfro.....	33	Royalton.....	1	....	3	4	Leg broken, struck by hook.....	45
	6 J. B. Coursey.....	35	Sesser.....	1	....	1	....	Foot broken, not stated.....	57
	7 Dewey Watkins.....	21	do.....	1	....	1	....	Hand broken, pit car.....	56
	8 Rosco Dunham.....	20	Grayson.....	1	....	1	....	Foot broken, pit car.....	38
	8 Tom Derretti.....	39	Christopher.....	1	....	2	3	Body injured, pit car.....	*
	10 Tony Yates.....	42	W. Frankfort.....	1	....	1	....	Hand broken, pit car.....	72
	11 Joe Visintia.....	28	Christopher.....	1	....	1	....	Body injured, pit car.....	*
	11 Homer Kearns.....	26	Buckner.....	1	....	1	....	Rib broken, pit car.....	32
	14 Elmer Bean.....	26	Sesser.....	1	....	1	....	Shoulder broken, pit car.....	57
	15 John Carli.....	23	do.....	1	....	1	....	Hand injured, falling coal.....	30
	16 Ed. Reed.....	28	Orient.....	1	....	1	2	Body injured, trolley wire.....	45
	17 John Dluozon.....	32	Harrisburg.....	1	....	1	2	Hand broken, falling slate.....	90
	17 Ora Bowcott.....	28	W. Frankfort.....	1	....	1	2	Leg injured, struck by board.....	58
	21 Alvis Hill.....	....	Harrisburg.....	1	....	2	3	Leg injured, pit car.....	40
	21 John Kitkuimes.....	35	Christopher.....	1	....	1	....	Back broken, pit car.....	280
	23 Jack Mink.....	36	W. Frankfort.....	1	....	2	3	Hand broken, motor.....	252
	25 Wm. Neir.....	48	Harrisburg.....	1	....	4	4	Hand injured, pump.....	43
	25 J. T. Renfro.....	38	W. Frankfort.....	1	....	2	3	Foot injured, machine.....	50
	25 John Senior.....	35	Christopher.....	1	....	3	4	Back injured, machine.....	30
	28 Oscar Willis.....	19	W. Frankfort.....	1	....	1	....	Foot broken, fell off motor.....	49
	28 Louis Felton.....	31	do.....	1	....	1	....	Finger broken, falling coal.....	40
	29 Henry Reeves.....	23	Sesser.....	1	....	1	....	Foot broken, caught in machinery.....	*
Sept.	1 Zello Bello.....	37	Eldorado.....	1	....	3	4	Leg broken, falling rock.....	120
	1 James Furno.....	50	W. Frankfort.....	1	....	3	1	Hand injured, machine wire.....	37
	1 Joe Shelton.....	20	Sesser.....	1	....	1	....	Finger cut off, caught in machinery.....	33
	1 Henry Perkins.....	30	Benton.....	1	....	1	....	Hand injured, falling coal.....	35
	3 John Lester.....	48	Eldorado.....	1	....	2	3	Leg broken, falling slate.....	150
	5 Wm. Kerovitch.....	40	W. Frankfort.....	1	....	1	....	Back injured, falling coal.....	58
	5 James Moran.....	23	Sesser.....	1	....	1	....	Leg injured, pit car.....	34
	6 Thomas Malloy.....	37	W. Frankfort.....	1	....	2	3	Hand broken, pit car.....	132
	6 Oscar Karnes.....	21	do.....	1	....	1	....	Leg broken, not stated.....	*
	6 G. W. Rainey.....	31	Benton.....	1	....	2	3	Ankle broken, pit car.....	54
	7 Joe Biondi.....	29	do.....	1	....	1	....	Body injured, pit car.....	37
	9 Mike Novinski.....	37	W. Frankfort.....	1	....	1	....	Leg broken, machine.....	90
	11 John Illyosovich.....	28	Zeigler.....	1	....	1	....	Arm injured, pit car.....	80
	12 James Perry.....	48	Harrisburg.....	1	....	1	....	Finger cut off, falling rock.....	50
	14 Victor Barnes.....	27	Norris City.....	1	....	1	....	Leg broken, falling rock.....	31
	18 Anton Mitchell.....	42	Logan.....	1	....	3	4	Arm injured, falling coal.....	39

NONFATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost, days.
1916									
Sept. 19	Joe Novack	26	Orient		1			Foot injured, falling coal	40
19	Sam LaFrank	23	Christopher		1			Body injured, pit car	*
21	Arnold Blades	28	W. Frankfort	1			1	Back injured, falling rock	40
25	Wm. Gallagher	18	Christopher		1			Leg cut off, motor	*
26	Arte Willis	18	W. Frankfort		1			Foot broken, motor	84
27	Charles Mitchell	50	Orient	1		2	3	Ribs broken, pit cars	35
28	Edgar Cutsinger	25	Providence, Ky.		1			Leg injured, pit car	*
30	John Senior	35	Christopher	1		3	4	Body injured, not stated	38
Oct. 3	Barney Marcinko	35	Ledford	1			1	Leg broken, falling slate	125
3	Fred Parrish	21	Royalton	1			1	Wrist broken, drill	42
4	Fred Stica	21	do.		1			Leg injured, pit car	60
5	R. J. Disney	57	Harrisburg	1		5	6	Foot injured, falling coal	30
6	James Edwards	27	W. Frankfort	1		2	3	Body injured, falling coal	49
8	Anton Silvas	29	do.	1		1	2	Legs injured, falling coal	64
9	John Sullivan	30	Harrisburg	1		2	3	Hand broken, falling coal	65
9	Frank Krevanich	35	Zeigler	1		3	4	Shoulder injured, gas explosion	60
10	B. Sercleifer	40	Christopher	1		2	3	Wrist injured, fell	64
12	Granville Hamrick	20	do.		1			Finger broken, pit car	66
13	Nick Krainovitch	29	Sesser	1			1	Fingers injured, falling bar	52
14	Angela Tesano	23	do.		1			Body injured, pit car	40
16	Richard Webster	21	W. Frankfort	1			1	Finger injured, pit car	30
17	George Myers	40	Elizabeth	1		3	4	Back injured, falling coal	85
17	Assuri Nannini	40	Christopher	1		6	7	Hand injured, pit car	58
17	George Illyosovich	26	Zeigler		1			Leg cut off, motor	*
18	Ed Bogart	33	Orient	1		2	3	Finger cut off, falling rail	35
18	John Tenosky	20	Sesser		1			Finger broken, coal fell from car	46
18	J. E. Magner	49	W. Frankfort	1		5	3	Leg broken, falling coal	153
19	Herman Dauzay	21	do.		1			Foot injured, pit car	63
21	C. Richardson	37	Orient	1		3	4	Rib broken, pit car	43
23	Jacob Visobick	31	do.		1		2	Finger broken, pit car	69
24	W. L. Williams	29	Eldorado	1		1	2	Leg broken, falling coal	150
26	Joe Toth	33	Ledford	1		3	3	Leg injured, pit car	61
26	Paul Norbest	29	W. Frankfort	1		1	2	Leg injured, falling coal	78
26	Walter Carley	28	do.		1			Foot broken, machine	91
26	Dave Morgan	56	Rend		1			Ankle injured, falling coal	70
26	Charles Hackle	25	Christopher	1			1	Body injured, falling slate	31
26	Arthur Dale	19	Zeigler		1			Finger cut off, pit car	45
28	Joe Coveglio	28	Sesser	1		1		Leg injured, motor	38
28	Hosea McDonald	18	Carriers Mills		1		1	Body injured, pit car	34
29	Ed. Melvin	25	Logan	1			1	Leg burned, hot water	32
31	J. G. Smith	34	Harrisburg	1		4	5	Leg broken, falling coal	150
31	V. Boswell	29	Sesser	1			1	Leg injured, falling rail	48
Nov. 1	E. S. Cummins	26	Harrisburg		1			Foot broken, falling coal	40
1	W. W. Wilkie	35	Galatia	1		1	2	Body injured, pit car	30
2	Elmer Brown	32	Sesser		1			Finger broken, pit car	32
3	J. W. Chambers	58	W. Frankfort	1		4	5	Arm broken, pit cars	70
3	E. B. Hewlitt	38	do.		1	2	3	Ankle broken, falling coal	189
3	B. Boscardine	45	Sesser	1			1	Arm injured, fell down	30
4	Ralph Adams, Jr.	18	Christopher		1			Leg broken, motor	190
6	John Zemgulis	30	Ledford	1		3	3	Arm broken, falling slate	116
6	E. G. Biggs	26	W. Frankfort		1			Body injured, cage	94
8	George Slamenkovish	32	Zeigler		1			Body injured, fell down	42
8	Harry Beardon	29	W. Frankfort	1			1	Finger cut off, shaker screen	32
9	Andrew Palo	31	Orient			5	6	Eye injured, flying coal	35
11	George Cuthbertson	19	Harrisburg		1			Hand broken, pit car	36
11	John Boni	35	Christopher		1			Foot broken, falling coal	50
11	Conrad Heck	31	do.	1			1	Collar bone broken, pit car	40
11	Asa Sharpe	21	Benton		1			Back injured, cage	40
11	W. J. McGuire	44	do.	1		4	5	Leg broken, falling coal	*
13	John Britton	35	Orient	1		5	6	Finger broken, pit car	37
14	Warren Smith	40	Eldorado	1		2	3	Leg broken, falling coal	90
14	James Turner	31	Christopher		1		1	Body burned, explosion of caps	50
18	Ed. Jackson	38	Grayson	1		1	1	Foot broken, machine	32
18	R. S. Hutchcraft	21	W. Frankfort		1			Body burned, gas explosion	53
19	Edward Smith	25	Benton		1			Foot broken, pit car	190
23	Steve Uranich	31	Zeigler	1			1	Leg injured, motor	156
23	Mike Wasisco	31	W. Frankfort	1		1	2	Back injured, pushing car	91
25	Charles Latukas	39	Ledford	1		1	1	Leg broken, pit car	40
25	John Pullis	38	Wasson	1		1	2	Body injured, kicked by mule	38
26	Jess Moore	23	Harrisburg		1			Fingers broken, falling rock	32
27	John Priest	47	Carriers Mills	1		5	6	Body injured, falling slate	90

NONFATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
Nov. 27	Whitley Smith.	36	Christopher	1			1	Foot injured, falling wrench.	*
27	John Morgan.	42	do.		1			Finger injured, spike bar.	*
27	Tony Gauthier.	34	W. Frankfort.	1		3		Hand injured, not stated.	36
28	Elmer Dukes.	30	Grayson.	1		1	2	Body injured, pit car.	70
28	Thos. Artman.	32	W. Frankfort.		1			Foot injured, mule stepped on.	45
29	Jonas Kidd.	25	Sesser.	1		1		Collar bone broken, pit car.	*
Dec. 4	Joe Cunningham.	23	Wasson.	1			1	Body injured, pit car.	34
5	Bert Overturf.	21	Buckner.		1			Body injured, eccentric shaft.	68
6	Frank Bradley.	37	Grayson.	1		12	2	Leg broken falling coal.	34
7	Dan Timmia.	50	Equality.	1		12	2	Foot injured, falling coal.	40
7	Charles Bennett.	39	Logan.	1		1	2	Hand injured, railroad car.	37
8	Wm. Meekin.	24	do.		1			Body injured, pit car.	30
10	Theodore Parker.	24	Carriers Mills.		1		2	Pelvis bone broken, pit car.	90
12	Earl Fears.	19	Eldorado.	1		1	1	Foot cut off, motor.	150
12	O. T. Swinney.	24	Rend.		1			Leg injured, motor.	38
12	John Babil.	30	Logan.	1		2	3	Body burned, gas explosion.	42
13	Tom Hunter.	27	do.	1		3	4	do.	37
13	H. T. Summers.	34	do.	1		1	2	do.	45
13	Sam Anderson.	35	Christopher	1			1	Ankle broken, struck by rope.	*
13	Wm. Murphy.	39	do.		1			Body injured, pit cars.	*
14	Earnest Russell.	28	Liberty.	1			1	Finger broken, not stated.	60
14	Albert Middleton.	27	W. Frankfort.		1			Leg injured, pit car.	60
14	Battiste Banetti.	31	Orient.	1		1		Finger broken, drag chain.	54
14	J. L. Wright.	23	Christopher		1			Body injured, pit car.	39
15	Johnston Marteni.	26	do.	1			1	Leg injured, motor.	130
15	Luther Morris.	20	Sesser.		1			do.	40
16	Joe Bennett.	24	W. Frankfort.	1		1		Head injured, pit car.	60
16	Ben Tomento.	28	do.		1			Finger injured, falling coal.	60
16	Wm. Sneedon.	51	Sesser.	1				Body injured, falling coal.	90
18	Jack Bear.	63	Eldorado.	1		4	5	Arm broken, falling slate.	40
18	Fred Scarlett.	19	W. Frankfort.		1			Finger cut off, pit car.	60
18	Joe Walker.	35	do.		1		1	Foot injured, machine.	30
19	Stanley Babits.	26	Wasson.	1			1	Body injured, pit car.	33
19	Louis Tintoni.	38	Rend.	1			1	Shoulder injured, pit car.	60
21	John Tuskus.	33	do.		1			Body injured, pit cars.	*
25	Leslie Sherfield.	18	Harrisburg.		1			Leg injured, falling slate.	45
27	Charles McMahan.	27	Carriers Mills.	1		3	4	Leg broken, pit cars.	96
27	Charles Rogers.	44	Wasson.	1		6	7	Leg injured, cage.	32
27	James Hall.	50	Norris City.	1		1	2	Body burned, gas explosion.	45
28	A. Ferratte.	21	W. Frankfort.		1			Finger broken, pit car.	61
29	Paul Barnett.	20	Dorrisville.	1				Leg broken, pit cars.	66
30	Paul Toth.	27	Harco.		1			Hand injured, buckets.	38
31	John B. Jackson.	34	Zeigler.	1		1	2	Leg injured, motor.	79
1917									
Jan. 1	Willie Hancock.	17	Carriers Mills.		1			Arm injured, not stated.	31
1	Henry Bradley.	23	Eldorado.	1			1	Foot injured, falling rail.	59
3	John Terrari.	41	W. Frankfort.	1		1	2	Head injured, fell off car.	50
3	Carl Moore.	24	do.	1			2	Body injured, pit car.	60
4	Peter Casper.	45	Royalton.		1			Fingers cut off, pit cars.	30
5	Anton Bozzonia.	40	Christopher	1			1	Eye injured, foreign substance.	90
5	John Signago.	40	Hurst.	1		5	6	Finger cut off, pit car.	42
5	Tony Rupjak.	48	Benton.	1		3	4	Toe injured, not stated.	35
8	Zigmund Kinsman.	18	Royalton.		1			Finger broken, rail and block.	35
8	Jim Lindsay.	53	Logan.	1		2	3	Wrist broken, struck bar.	32
8	Joe Montagria.	26	Christopher		1			Body injured, pit cars.	96
8	John Steffle.	40	W. Frankfort.	1		2	3	Leg injured, falling slate.	35
8	Wm. Seward.	30	Dorrisville.	1		2	3	Body injured, pit car.	40
9	Logan Stewart.	25	Harrisburg.	1		1	2	Back injured, falling slate.	30
9	Thomas Pinkston.	49	W. Frankfort.	1			1	Arm injured, pit car.	30
10	Charles Sellio.	23	do.		1			Hand broken, pit car.	175
10	Tom Brummett.	29	do.	1		1	2	Leg cut off, pit car.	126
10	Fred Zelence.	22	do.		1			Arm injured, cable.	33
11	Tony Inarti.	26	Freeman.		1			Leg broken, falling coal.	48
11	Anton Golley.	29	do.		1			do.	68
11	Richard Broyles.	59	Carriers Mills.	1		1	2	Foot broken, falling coal.	170
12	Walter Henley.	25	do.	1		1	2	Toe broken, falling coal.	37
13	Ray Moak.	20	W. Frankfort.		1			Hand injured, pit car.	73
13	Joe Ballomi.	25	Freeman.		1			Leg broken, falling slate.	63
15	Maurice Caton.	22	Grayson.	1			1	Body injured, pit cars.	47
15	Tom Swinney.	18	do.		1			Ribs broken, pit cars.	71
16	Peter Tony.	33	W. Frankfort.	1		1		Hand broken, machine.	90
16	Julius Holemeier.	52	do.	1		5	6	Rib broken, fell.	72

NONFATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Jan.	17 Frank Lewis.....	22	W. Frankfort..		1			Collar bone broken, pit cars....	39
	17 C. E. Dillon.....	44	Sesser.....	1			1	Leg injured, cage.....	90
	18 Paul Prattier.....	33	Equality.....	1		1	2	Body burned, powder explosion.....	120
	19 Wm. Maitland.....	38	Royalton.....	1		4	5	Body burned, gas explosion.....	71
	19 James Dickerson.....	36	do.....	1		2	3	do.....	40
	19 Robert Philpot.....	23	do.....	1			1	do.....	45
	19 A. Bendensky.....	21	do.....		1			do.....	66
	20 Richard Stone.....	35	Grayson.....	1		2	2	Ribs broken, pit car.....	42
	21 August Nicoletti.....	37	Rend.....		1			Leg injured, falling slate.....	33
	22 Harry Pruett.....	40	Equality.....		1			Arm broken, falling coal.....	*
	25 Alex Dybenski.....	28	Benton.....	1		3	4	Foot injured, machine.....	143
	26 Frank Rashie.....	29	Royalton.....	1		2	3	Back injured, falling coal.....	37
	26 B. Brozososki.....	30	W. Frankfort.....		1			Body injured, cage.....	30
	26 Stanley Mosley.....	22	Benton.....		1			Leg injured, motor.....	30
	27 Frank Rosoka.....	25	Zeigler.....		1			Body injured, pit car.....	*
	29 Ted Solvan.....	39	Orient.....	1		2	3	do.....	150
	30 Walter Norville.....	22	Royalton.....		1			Ankle injured, pit car.....	65
	30 Mathew Mulligan.....	59	Eldorado.....	1		3	4	Foot injured, falling slate.....	45
	30 Wm. Galloway.....	22	Benton.....	1		1	2	Body injured, pit car.....	140
	30 Henry Hinkle.....	22	do.....	1			1	Back injured, pit car.....	38
	30 T. J. Stevens.....	39	Christopher.....	1		3	4	Body injured, pit cars.....	*
	30 Otto Graeff.....	34	do.....	1		1	2	Foot broken, pit car.....	163
	31 Mike Pavlovic.....	29	W. Frankfort.....	1		2	3	Ankle broken, falling timber.....	87
Feb.	1 John Prattier.....	41	Equality.....	1		6	7	Arm injured, motor.....	30
	1 Evan Day.....	20	W. Frankfort.....		1			Arm broken, pit car.....	*
	1 Louie Cheardo.....	18	Christopher.....		1			Arm injured, pit cars.....	63
	3 Theo Lore Cansler.....	23	Eldorado.....	1		2	3	Arm broken, pit car.....	30
	3 Marion Carter.....	25	Christopher.....		1			Leg broken, railroad car.....	115
	6 Andrew Simpson.....	27	do.....		1			Leg broken, machine.....	132
	8 G. W. Hinson.....	27	Eldorado.....	1		1	2	Back injured, falling slate.....	120
	9 Tony Zunning.....	52	Orient.....		1			Collar bone broken, pit car.....	71
	10 Steve Korts.....	25	W. Frankfort.....		1			Finger cut off, pit car.....	73
	10 Robert Vinsen.....	24	Norris City.....	1		1	2	Collar bone broken, pit car.....	32
	12 John H. Evans.....	24	Elorado.....		1		3	Hand injured, falling coal.....	35
	12 Charles Watson.....	27	W. Frankfort.....	1		1		Foot broken, falling coal.....	49
	12 Mike McClance.....	25	Rend.....		1			Foot injured, pit car.....	90
	12 Curtis Williams.....	34	Sesser.....	1			1	Ankle burned, steam.....	34
	12 Frank Clark.....	46	W. Frankfort.....	1		2	3	Body injured, falling coal.....	30
	12 Marion Danley.....	25	Benton.....	1			1	Leg broken, pit car.....	93
	13 H. Vanbibber.....	40	do.....	1		5	6	Leg broken, machine.....	162
	14 Howard Harrison.....	20	Christopher.....		1			Foot broken, pit car.....	*
	14 Lon Miller.....	33	W. Frankfort.....	1		1	2	Hand injured, caught in bits.....	60
	15 Frank Wilgus.....	38	Harrisburg.....	1		1	2	Leg broken, kicked by mule.....	100
	15 Joe Fritz.....	40	Logan.....	1		1	2	Leg broken, falling coal.....	*
	17 Tony Baldwin.....	33	Grayson.....		1			Hand broken, falling slate.....	39
	19 Marion Harper.....	26	W. Frankfort.....		1			Leg injured, not stated.....	30
	20 W. H. Maxwell.....	67	Harrisburg.....	1		3	3	Hand broken, falling coal.....	43
	20 W. M. Sheeley.....	27	do.....	1		3	4	Eye injured, flying nail.....	65
	20 Norman Slater.....	21	W. Frankfort.....		1			Finger broken, pit car.....	63
	22 Gaston Cresson.....	43	Christopher.....	1		1		Back injured, lifting car.....	47
	22 A. Hoebbel.....	18	W. Frankfort.....		1			Wrist broken, pit car.....	60
	23 D. A. McBride.....	35	Sesser.....	1			1	Arm broken, falling timber.....	90
	23 Wm. Flynn.....	50	Rend.....	1			1	Eye injured, flying coal.....	90
	23 Fred Cabaness.....	51	W. Frankfort.....		1			Foot broken, motor.....	67
	26 P. G. Epperson.....	20	Carriers Mills.....	1		4	1	Foot broken, coal fell off car.....	40
	26 Ross Dixon.....	26	Ledford.....	1			1	Rib broken, kicked by mule.....	36
	26 Herman Erbanks.....	35	Rend.....	1		6	7	Hand injured, pit car.....	50
Mar.	28 Ed. Kennedy.....	24	Harrisburg.....		1			Foot injured, motor.....	55
	1 Theo. Punge.....	21	Christopher.....		1			Finger broken, pit car.....	47
	2 Steve Zoufgast.....	36	Zeigler.....	1			1	Leg cut off, pit car.....	*
	2 Steve Peters.....	20	W. Frankfort.....		1			Finger broken, pit car.....	91
	3 Geo. Kesper.....	54	Ledford.....		1			Hand injured, -preg.....	39
	5 Andrew Malle.....	50	Christopher.....	1		3	4	Finger injured, falling coal.....	36
	7 John Trail.....	49	Norris City.....		1			Arm broken, pit car.....	47
	7 T. J. Dennis.....	53	Ledford.....	1		3	4	Leg injured, pit car.....	45
	10 Claude Duke.....	27	Elorado.....	1		1	2	Foot broken, pit car.....	40
	10 J. R. Hul.....	50	W. Frankfort.....	1		1	2	Leg broken, falling coal.....	*
	10 Wm. Hatton.....	30	Benton.....	1		5	6	Body injured, pit car.....	60
	13 Geo. Novak.....	42	W. Frankfort.....	1		3	4	Rib broken, falling rope.....	71
	13 John Benola.....	34	Sesser.....		1			Leg broken, falling coal.....	60
	15 W. Walkenshaw.....	44	W. Frankfort.....		1			Toe broken, motor.....	31
	15 Thos. Jones.....	26	Harrisburg.....	1		4	5	Foot broken, falling slate.....	45

NONFATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917—continued.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost, days.
1917									
Mar.	15 Wm. Rowa.....	30	W. Frankfort.....	1	1			Eye injured, flying coal.....	30
	16 Columbus Boreas.....	32	do.....	1			1	Leg broken, pit car.....	90
	17 Harley Bowlin.....	24	Christophers.....	1	1			Hand broken, pit car.....	54
	18 H. Perryman.....	24	Logan.....	1	1	2		Ankle broken, falling coal.....	30
	19 Geo. Burlison.....	39	Benton.....	1	4	5		Body injured, falling coal.....	46
	20 Walter Giltosky.....	34	Harrisburg.....	1	2	2		Collar bone broken, pit cars.....	71
	21 Charles Dundy.....	29	Logan.....	1	1			Pelvis broken, pit car.....	46
	22 J. C. Tornas.....	57	do.....	1	1	2		Eye injured, flying coal.....	44
	23 Charles Massey.....	25	Christophers.....	1	1			Head injured, pit car.....	55
	24 E. Miller.....	27	W. Frankfort.....	1	1	2		Body injured, pit car.....	43
	25 C. E. Stations.....	36	do.....	1	12	3		Wrist broken, pit car.....	52
	26 Horton Owens.....	30	Sesser.....	1			1	Body injured, falling coal.....	*
	27 Tony Lucas.....	40	Royalton.....	1	3	4		Finger injured, falling coal.....	30
	28 Herman Nelson.....	21	Gaskin City.....	1	1	2		Leg broken, falling coal.....	100
	29 Joe Nagy.....	44	Zeigler.....	1	1			Finger cut off, caught in sheave.....	56
	30 Joe Cantoni.....	30	Christophers.....	1	2	3		Shoulder injured, pit car.....	60
	31 Charles Jovando.....	38	Royalton.....	1	3	4		Body injured, falling coal.....	76
	32 A. M. McMahon.....	17	W. Frankfort.....	1	1	4		Body injured, railroad cars.....	62
	33 Richard Knowles.....	52	Ledford.....	1	5	6		Body injured, pit car.....	90
	34 Charles Morton.....	48	W. Frankfort.....	1	1			do.....	47
	35 Bob Gregory.....	30	Harrisburg.....	1		1		Ankle broken, falling coal.....	90
	36 Robt Kennedy.....	42	Eldorado.....	1	7	8		Leg broken, falling coal.....	60
Apr.	37 Allen Beltz.....	45	Equality.....	1	3	1		Leg broken, caught in fly wheel.....	88
	38 J. Van Gampier.....	49	Harrisburg.....	1	4	4		Shoulder injured, pit car.....	42
	39 Marion Kingston.....	42	Equality.....	1	3	4		Foot broken, not stated.....	*
	40 Wm. Rewski.....	46	W. Frankfort.....	1	12	3		Leg broken, falling coal.....	60
	41 Charles Taborn.....	18	Carriers Mills.....	1	1			Leg injured, pit car.....	30
	42 George Horlick.....	33	Royalton.....	1	4	5		Arm injured, caught in chain.....	70
	43 Louis Bullett.....	29	Zeigler.....	1	2	3		Body injured, lifting rail.....	*
	44 Orval Head.....	21	Eldorado.....	1	1			Leg injured, pit car.....	40
	45 John Falet.....	33	W. Frankfort.....	1	2	3		Leg broken, falling timber.....	100
	46 John Roy.....	17	Christophers.....	1	1			Foot broken, pit car.....	50
	47 A. M. Brannon.....	34	W. Frankfort.....	1	1	2		Body injured, struck by bar.....	30
	48 Joe Zishola.....	42	Sesser.....	1	1			Body injured, pit car.....	30
	49 Ernest Garrison.....	20	Norris City.....	1	1			Head injured, pit car.....	44
	50 Jack Turpin.....	24	Christophers.....	1	1			Finger broken, not stated.....	*
	51 Dewey Thorpe.....	17	Plumfield.....	1	1			Foot broken, pit car.....	*
	52 Frank Simmons.....	40	Rend.....	1	4	5		Eye injured, flying coal.....	60
	53 Ed. Reenbumer.....	25	W. Frankfort.....	1	1	2		Leg injured, pit car.....	60
	54 Joe Hatler.....	23	Eldorado.....	1		1		do.....	60
	55 Ira Donovan.....	25	Orient.....	1	1			Leg injured motor.....	40
	56 Riley Blair.....	36	Rend.....	1	4	5		Foot injured, not stated.....	30
	57 Louis Sike.....	18	Christophers.....	1	1			Foot injured, pit car.....	47
	58 James Cozert.....	34	Harrisburg.....	1	4	5		Body injured, falling timber.....	90
	59 Robert Fornear.....	20	Sesser.....	1	1			Body injured, falling slate.....	30
	60 Thomas Barker.....	24	do.....	1	1			Foot broken, pit car.....	60
	61 Ed. Higgins.....	31	Logan.....	1	2	3		Leg injured, falling coal.....	34
	62 Irvan Pitchford.....	19	Buckner.....	1	1			Hand broken, pit car.....	46
May	63 Wm. Shelton.....	50	Christophers.....	1	2	3		Leg injured, fell.....	30
	64 H. Geiser.....	45	Sesser.....	1	1			Hand injured, pit cars.....	60
	65 Andy Gilrieth.....	35	do.....	1	1			Arm broken, falling coal.....	*
	66 Hugo Kinderman.....	38	Buckner.....	1	1	2		Collar bone broken, pit car.....	30
	67 M. C. Coxen.....	52	Eldorado.....	1	1			Ankle broken, trap door.....	40
	68 George Bourland.....	38	do.....	1	7	8		Ankle broken, falling coal.....	35
	69 Walter Zelenskis.....	31	W. Frankfort.....	1	1			Hand injured, pit car.....	60
	70 Maso Menorich.....	36	Christophers.....	1	1			Back injured, lifting car.....	*
	71 Elmer Pelhank.....	37	Gaskin City.....	1	4	5		Leg broken, falling coal.....	90
	72 George Aaron.....	35	Harrisburg.....	1	2	3		Body injured, falling timber.....	35
	73 John Torrento.....	27	W. Frankfort.....	1	1			Foot broken, falling coal.....	50
	74 Pat Castello.....	45	Harrisburg.....	1	2	3		Foot broken, pit car.....	30
	75 Louis Yerst.....	17	Orient.....	1	1			Foot injured, motor.....	*
	76 Louis Schalfoski.....	47	Zeigler.....	1		1		Leg broken, pit car.....	*
	77 Hugh Devlin.....	34	Royalton.....	1	1			Leg broken, pit cars.....	44
	78 Samuel Cole.....	39	Harrisburg.....	1	2	2		Body injured, falling rock.....	36
	79 Tony Paneek.....	27	W. Frankfort.....	1	2	3		Head injured, falling prop.....	*
	80 John Carpenter.....	35	Royalton.....	1	2	3		Ankle broken, fell off boiler.....	43
	81 J. J. Knight.....	38	Benton.....	1	3	4		Eye injured, mule.....	*
	82 Sirah Blackwell.....	20	Carriers Mills.....	1	1			Foot broken, pit car.....	40
	83 Noah Flowers.....	29	Christophers.....	1	1			Hand broken, pit car.....	*
	84 C. R. Lowman.....	28	W. Frankfort.....	1	1			Finger broken, not stated.....	35
	85 M. W. Atwood.....	49	do.....	1	3	4		Back injured, falling coal.....	70
	86 John Jackson.....	29	Royalton.....	1		1		Leg broken, not stated.....	*

NONFATAL CASUALTIES, ELEVENTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character. of injury and cause of accident.	Time lost — days.
1917									
May 23	Irvin Fletcher.....	27	Royalton.....	1	1			Leg injured, coal fell off car.....	*
26	Wm. Taylor.....	29	Eldorado.....	1				1 Arm broken, falling slate.....	30
26	Charles Kustuedich.....	32	Christopher.....	1				1 Hand injured, not stated.....	*
28	Geo. Vierovec.....	50	Rend.....	1	1			Finger cut off, exploding cap.....	*
29	Ed O'Neal.....	30	Orient.....	1		4		5 Leg broken, motor.....	*
June 1	James Vancil.....	48	W. Frankfort.....	1		1		2 Arm burned, steam.....	30
6	Zig Vayde.....	33	Harco.....	1				1 Ankle injured, machine.....	*
9	John O. Henry.....	17	Zeigler.....	1				Leg injured, pit car.....	*
11	Alvin Odle.....	20	W. Frankfort.....	1				Foot broken, pit car.....	*
12	G. O. McBride.....	24	Benton.....	1		3	4	4 Arm broken, pit car.....	*
13	Wayne Fiveact.....	21	W. Frankfort.....	1				Hand broken, motor.....	*
16	Joe Gelday.....	21	do.....	1				Leg injured, pit car.....	*
18	Ruben McElyea.....	21	Orient.....	1				Finger cut off, pit car.....	*
18	Roy Mackvick.....	22	W. Frankfort.....	1				Body injured, fell off car.....	*
18	Win. Marvel.....	17	Benton.....	1				Body injured, pit car.....	*
23	Theo. Parks.....	23	Stonefort.....	1			1	1 Hand broken, pit car.....	30
25	Walter Adams.....	21	Benton.....	1				Collar bone broken, slate fell off railroad car.....	*
26	Charles Baker.....	20	Eldorado.....	1				Leg broken, pit car.....	*
29	James Reinheimer.....	19	W. Frankfort.....	1				Hand injured, pit cars.....	*
Total.....				212	162	427	627		

* Not returned to work June 30, 1917.

Number injured..... 374 Time lost by men returned, days..... 20,005
 Number not returned to work..... 55 Average days lost..... 62.71

Number returned..... 319

RECAPITULATION OF NONFATAL ACCIDENTS, ELEVENTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Benton.....	22	Asst. mine manager	3	Cage.....	5	Bell & Zollar M. Co....	16
Buckner.....	5	Blacksmiths.....	2	Caught by objects.....	11	Benton Coal Co.....	9
Carriers Mills.....	10	Cagers.....	8	Falling coal.....	64	By Products C. Corp.....	22
Christopher.....	47	Carpenter.....	1	Falling rock.....	9	Chi. Wilm. & F. C. Co.....	22
Dorrisville.....	3	Couplers.....	11	Falling slate.....	19	Durham Coal Co.....	1
Eldorado.....	21	Drivers.....	48	Fell.....	11	Franklin C. & C. Co.....	19
Elizabeth.....	1	Electrician.....	1	Flying coal.....	5	Harrisburg, B. M. C. Co.....	8
Equality.....	6	Engineer.....	1	Gas explosion.....	10	Harrisburg Col. Co.....	4
Freeman.....	3	Fireman.....	1	Lifting objects.....	2	Harrisburg-Saline C. Co.....	7
Galatia.....	1	Foreman.....	2	Machine.....	11	J. A. Logan Coal Co.....	17
Gaskin City.....	2	Laborers.....	48	Motor.....	24	Northern Coal Co.....	7
Grape Creek.....	1	Loaders.....	77	Mule.....	5	O'Gara Coal Co.....	31
Grayson.....	8	Machine helpers.....	9	Pit cars.....	136	Old Ben Coal Corp.....	102
Harco.....	2	Machine runners.....	38	Powder explosion.....	1	W. P. Rend Coal Co.....	12
Harrisburg.....	25	Mine examiner.....	1	Pushing car.....	1	Saline Co. Coal Co.....	24
Hurst.....	1	Miners.....	46	Railroad car.....	3	Sesser Coal Co.....	30
Ledford.....	8	Motormen.....	8	Struck by objects.....	42	Taylor Coal Co.....	8
Liberty.....	1	Spraggers.....	2	Not stated.....	15	United States Fuel Co.....	4
Logan.....	13	Timbermen.....	5			Wasson Coal Co.....	10
Norris City.....	5	Trackmen.....	5			Western C. & M. Co.....	1
Orient.....	18	Trappers.....	3			W. Frankfort C. Co.....	15
Plumfield.....	1	Trip riders.....	54			White Co. P. & M. Co.....	5
Rend.....	11						
Royalton.....	19						
Sesser.....	29						
Stonefort.....	1						
Wasson.....	4						
West Frankfort.....	90						
Zeigler.....	15						
Providence, Ky.....	1						
Total.....	374		374		374		374

RECAPITULATION OF NONFATAL ACCIDENTS, NATURE OF INJURIES,
CONJUGAL RELATIONS, AND TIME LOST, ELEVENTH DISTRICT, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken ¹	9	8	1	16	24	568	71.00	2.40
Ankle injured ¹	6	3	3	3	6	234	46.80	1.60
Arm broken ²	12	9	3	17	25	573	71.71	3.21
Arm injured.....	10	6	4	14	20	436	43.60	2.67
Back injured ¹	15	10	5	17	30	1,366	97.57	4.01
Body burned.....	11	9	2	14	23	614	55.82	2.94
Body injured ³	57	35	22	74	111	2,430	52.83	15.24
Collar bone broken ⁴	11	5	6	5	10	381	42.33	2.94
Eye injured ¹	8	7	1	16	23	414	59.14	2.14
Finger broken ¹	17	4	13	7	11	807	50.44	4.55
Finger cut off ⁴	12	4	8	7	11	456	45.60	3.21
Finger injured ¹	6	4	2	6	10	208	41.60	1.60
Foot broken ⁵	32	12	20	27	34	1,912	73.54	8.56
Foot cut off.....	1	—	1	—	1	150	150.00	.27
Foot injured ¹	17	10	7	30	40	804	50.25	4.55
Hand broken ⁴	15	5	10	10	14	1,124	86.46	4.01
Hand injured ¹	19	8	11	24	31	881	43.39	5.08
Head injured ⁶	8	5	3	6	10	247	59.40	2.14
Leg broken ⁷	43	29	14	70	93	3,361	98.85	11.50
Leg cut off ⁶	4	2	2	1	3	126	126.00	1.07
Leg injured ²	37	20	17	30	48	1,751	53.06	9.89
Pelvis broken.....	2	—	2	—	2	136	68.00	.53
Rib broken.....	8	7	1	15	21	396	49.50	2.14
Shoulder injured.....	5	5	—	9	12	279	55.80	1.34
Toe broken ¹	4	1	3	3	4	101	33.67	1.07
Wrist broken.....	5	4	1	6	10	250	50.00	1.34
Total.....	374	212	162	427	627	20,005	62.71	100.00

¹ One not returned to work.

² Four not returned to work.

³ Eleven not returned to work.

⁴ Two not returned to work.

⁵ Six not returned to work.

⁶ Three not returned to work.

⁷ Nine not returned to work.

FRANKLIN COUNTY,

Number.	Nam of operator.	Postoffice address of the mine.	Total output.	Disposition of output				
				Tons loaded on cars or shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Old Ben Coal Corp., No. 8....	W. Frankfort	1,093,317	932,386	.....	131,890	9,010	20,031
2	Bell & Zoller M. Co., No. 1....	Zeigler.....	1,065,359	1,000,493	1,085	13,724	2,468	47,589
3	Chf., Wilm. & Franklin C. Co. No. 1.....	Orient.....	1,008,474	920,872	.....	63,148	2,065	22,389
4	Old Ben Coal Corp., No. 9....	W. Frankfort	933,141	855,316	6	42,360	4,530	30,929
5	Old Ben Coal Corp., No. 14....	Christopher..	891,882	793,181	.....	64,074	4,284	30,343
6	Old Ben Coal Corp., No. 11....	do.....	839,504	694,294	.....	142,497	1,973	30,740
7	Old Ben Coal Corp., No. 10....	do.....	656,261	478,797	.....	157,602	7,051	12,811
8	Old Ben Coal Corp., No. 12....	do.....	641,427	555,936	.....	64,074	3,612	17,805
9	West Frankfort Coal Co., No. 1	W. Frankfort	624,714	549,391	.....	58,323	5,000	12,000
10	Franklin C. & C. Co., No. 1....	Royalton.....	555,505	521,088	.....	.....	3,623	30,794
11	Sesser Coal Co., No. 1.....	Sesser.....	509,324	338,874	.....	145,448	.....	25,002
12	Benton Coal Co., No. 1.....	Benton.....	440,864	415,786	.....	.....	15,078	10,000
13	John A. Logan Coal Co.....	Logan.....	344,116	273,672	.....	65,553	3,000	1,891
14	W. P. Rend Collieries Co.....	Rend.....	327,151	311,619	.....	.....	1,964	13,568
15	By Products C. Corp., No. 18..	W. Frankfort	296,053	287,762	.....	.....	360	7,931
16	By Products C. Corp., No. 19..	do.....	269,641	262,743	.....	.....	.....	6,898
17	Taylor Mining Co., No. 5.....	Herrin.....	267,177	260,814	.....	.....	1,061	5,302
18	United States Fuel Co., M. F..	Benton.....	207,639	205,086	.....	.....	1,935	618
19	Taylor Collieries Co., No. 6....	do.....	206,636	190,617	.....	462	3,259	12,298
20	Franklin C. & C. Co., No. 2....	Royalton.....	64,439	59,224	.....	.....	.....	5,215
21	Western C. & M. Co., No. 2....	do.....	45,033	.....	.....	42,488	.....	2,545
Total—21 mines.....			11,317,657	9,907,951	1,091	991,643	70,273	346,699

Mines in 1916, 19. New mines, 2. Mines in 1917, 21.

GALLATIN COUNTY,

SHIPPING MINES.								
1	Hickory Hill Coal Co., H. K....	Junction, R. F. D. No. 1	62,829	61,381	1,208	.....	240	.....
2	Northern Coal Co., No. 4.....	Equality.....	53,316	49,884	.....	.....	432	3,000
Total.....			116,145	111,265	1,208	.....	672	3,000
LOCAL MINES.								
1	Frank Genor & Son.....	Equality.....	3,883	.....	.....	.....	3,883	.....
2	W. R. Chinn.....	Junction.....	2,292	.....	.....	.....	2,292	.....
3	Lee Siddens.....	do.....	915	.....	.....	.....	915	.....
4	Wm. M. Strong.....	Shawneetown	800	.....	.....	.....	800	.....
5	Sisk, Flanders & White.....	Equality.....	700	.....	.....	.....	700	.....
6	Jones & Marten.....	Junction, R. F. D. No. 1	420	.....	.....	.....	420	.....
7	Elliott Bros.....	do.....	150	.....	.....	.....	150	.....
8	James T. Colbert.....	Equality.....	40	.....	.....	.....	40	.....
9	Spitzner & James.....	do.....	21	.....	.....	.....	21	.....
Total.....			9,221	.....	.....	.....	9,221	.....
Total—11 mines.....			125,366	111,265	1,208	.....	9,893	3,000

Mines in 1916, 11. New mines, 4. Abandoned mines, 4. Mines in 1917, 11.

ELEVENTH DISTRICT, 1917.

Keys of powder used for blasting.	Pounds of permissible explosive used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of animals under-ground.	Coal washers or other special perparing plant.			Number.
		State Inspector	County Inspector.			By hand.	By machine		Killed.	Injured.		Number in use.	Average daily capacity.	Tons prepared during the year.	
.....	148,450	3	.....	256	829	.....	1,093,317	35	12	23	16	1	1,800	798,506	1
.....	175,725	3	1	249	779	.....	1,065,359	31	3	16	22	1	2,500	551,163	2
.....	152,225	2	.....	272	969	.....	1,008,474	19	3	22	20	.....	.....	.....	3
.....	16,838	1	.....	203	889	.....	933,141	35	1	28	19	1	5,500	558,164	4
.....	195,725	3	.....	233	669	.....	891,882	28	2	10	17	.....	.....	.....	5
.....	117,325	2	.....	254	785	27,046	842,458	31	.....	21	17	.....	4,700	.....	6
.....	89,250	4	.....	261	559	66,439	589,822	21	3	14	17	1	.....	.....	7
.....	194,675	2	.....	252	504	.....	641,427	20	1	6	13	1	2,000	256,560	8
.....	95,475	6	.....	241	473	.....	624,714	31	.....	15	4	2	.....	.....	9
9,046	.....	2	1	209	575	133,340	422,165	18	2	19	9	11	2,500	237,373	10
.....	68,625	5	.....	233	659	50,990	458,424	16	3	30	13	7	.....	.....	11
.....	80,050	4	.....	195	549	.....	440,894	19	.....	9	4	25	.....	.....	12
.....	94,175	5	.....	259	323	.....	344,116	19	2	17	2	22	.....	.....	13
.....	92,425	2	.....	239	319	.....	327,151	20	3	12	3	21	1,000	89,000	14
.....	61,875	1	.....	251	264	.....	296,053	10	1	17	10	.....	.....	.....	15
2,011	.....	2	.....	176	340	.....	269,641	14	1	5	3	27	.....	.....	16
3,345	1,500	.....	.....	193	217	22,222	244,955	21	1	3	2	12	.....	.....	17
.....	44,200	4	.....	217	243	.....	207,639	12	5	4	1	18	.....	.....	18
.....	46,625	5	.....	196	356	.....	206,635	14	3	5	3	18	250	32,799	19
2,487	.....	1	1	184	98	64,439	.....	1	.....	1	7	.....	.....	.....	20
1,439	.....	3	.....	190	120	.....	45,033	2	.....	1	.....	4	.....	.....	21
18,378	1,585,393	60	3	227	10,511	364,386	10,953,271	416	37	277	196	179	8	2,531	2,514,565

ELEVENTH DISTRICT, 1917.

793	.....	1	.....	259	71	.....	62,829	3	.....	.....	12	.....	.....	.....	1
3,197	.....	2	.....	186	93	53,316	.....	.....	.....	7	6	.....	.....	.....	2
3,990	.....	3	.....	223	164	53,316	62,829	3	.....	7	18	.....	.....	.....	.....
50	.....	.....	.....	139	8	3,883	.....	.....	.....	.....	.....	.....	.....	.....	1
140	.....	.....	.....	142	7	2,292	.....	.....	.....	.....	.....	.....	.....	.....	2
43	.....	.....	.....	140	4	915	.....	.....	.....	.....	.....	.....	.....	.....	3
20	.....	.....	.....	139	3	800	.....	.....	.....	.....	.....	.....	.....	.....	4
35	.....	.....	.....	100	2	700	.....	.....	.....	.....	.....	.....	.....	.....	5
20	.....	.....	.....	81	2	420	.....	.....	.....	.....	.....	.....	.....	.....	6
10	.....	.....	.....	50	2	150	.....	.....	.....	.....	.....	.....	.....	.....	7
2	.....	.....	.....	8	2	40	.....	.....	.....	.....	.....	.....	.....	.....	8
4	.....	.....	.....	37	1	21	.....	.....	.....	.....	.....	.....	.....	.....	9
324	.....	.....	.....	92	31	9,221	.....	.....	.....	.....	.....	.....	.....	.....	.....
4,314	.....	3	.....	116	195	62,537	62,829	3	.....	7	18	.....	.....	.....	.....

SALINE COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
SHIPPING MINES.								
1	Saline County C. Co., No. 3	Harrisburg	494,528	471,119		15,000	689	7,720
2	O'Gara Coal Co., No. 9	do	458,934	446,535			2,966	9,433
3	Wasson Coal Co., No. 1	Wasson	384,555	357,197		21,750	600	5,008
4	O'Gara Coal Co., No. 11	Harrisburg	348,543	338,917				9,626
5	O'Gara Coal Co., No. 10	Eldorado	341,680	322,933			12,692	6,055
6	J. Dering Coal Co., No. 3	do	341,344	335,515				5,829
7	O'Gara Coal Co., No. 1	Harrisburg	316,731	308,926			197	7,608
8	Saline County C. Co., No. 2	do	255,623	171,125		75,000	1,073	8,425
9	Saline County C. Co., No. 6	do	235,151	107,117		121,000	1,438	5,596
10	Harrisburg-Saline Colliery Co., No. 15	do	222,865	216,877			424	5,564
11	O'Gara Coal Co., No. 8	Elorado	194,932	189,305				5,627
12	Wasson Coal Co., No. 2	Carriers Mills.	176,351	148,376		27,575	400	
13	Harrisburg, Big Muddy Coal Co., No. 12	Harrisburg	171,576	165,173			594	5,809
14	O'Gara Coal Co., No. 4	do	160,381	146,331			10,493	3,557
15	O'Gara Coal Co., No. 3	do	154,669	147,074			213	7,382
16	Harrisburg, Big Muddy Coal Co., No. 14	do	143,390	137,262			1,331	4,797
17	Harrisburg Colliery Co.	Harco	54,385	19,083		31,136	968	3,198
18	Durham Coal Co., No. 1	Galatia	40,396	26,060	4,698		8,254	1,384
Total			4,496,034	4,054,925	4,698	291,461	42,332	102,618
LOCAL MINES.								
1	Lone Star Coal Co.	Carriers Mills.	16,550				16,350	200
2	Dorrisville Coal Co.	Dorrisville	3,400				3,175	225
3	Elder & Bixler	Carriers Mills.	3,176				3,126	50
4	Jess Allen	Equality	2,500				2,500	
5	W. J. Fife	Carriers Mills.	2,500				2,500	
6	Job Ingram	Harrisburg	1,150				1,135	15
7	Henry Biggs	Stonefort	925				925	
8	S. J. Moore	Equality	800				800	
9	R. L. Clements	Mitchelville	700				650	50
10	Thomas Osborn	Equality	650				600	50
11	John Reynolds	do	598				598	
12	Jess Raymer	Eagle	480				480	
13	Louis Dunn	Stonefort	375				363	12
14	James Yates	Equality	275				275	
15	G. H. Dorris	Harrisburg	248				248	
16	Davis & Hanald	Carriers Mills.	160				160	
17	Pat Ross	Stonefort	150				150	
18	John Yates	Equality	100				100	
19	Willis Henson	Harrisburg	70				70	
20	J. F. Colbert	Derby	42				42	
21	Logan Dunn	Stonefort	20				20	
Total			34,869				34,267	602
Total—39 mines			4,530,903	4,054,925	4,698	291,461	76,599	103,220

Mines in 1916, 39. New mines, 2. Abandoned mines, 2. Mines in 1917, 39.

WHITE COUNTY,

SHIPPING MINES.								
1	White County M. & P. Co.....	Norris City...	105,645	51,394	3,196	40,215	7,644	3,196

Mines in 1916, 1. Mines in 1917, 1.

ELEVENTH DISTRICT, 1917.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washers or other special preparing plant.			Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
.....	65,000	1	2	196	458	.....	494,528	15	3	9	13	6	.....	.....	.....	1
3,009	1	2	206	402	.....	458,934	18	4	5	3	47	.....	.....	.....	2
3,888	1	1	194	401	.....	384,555	17	1	5	5	26	.....	.....	.....	3
3,818	1	239	301	.....	348,543	16	1	3	2	37	.....	.....	.....	4
3,450	2	1	259	265	.....	341,680	16	.....	7	2	32	.....	.....	.....	5
1,115	37,200	3	.....	207	314	22,024	319,320	16	1	.....	3	29	.....	.....	.....	6
3,498	1	189	336	.....	316,731	16	.....	5	2	27	.....	.....	.....	7
3,352	1	2	188	293	16,234	231,389	10	.....	6	3	39	.....	.....	.....	8
2,276	2	2	243	210	.....	235,151	13	4	9	1	16	.....	.....	.....	9
2,630	2	.....	183	253	.....	222,865	10	.....	7	2	29	.....	.....	.....	10
2,330	1	.....	222	204	.....	194,932	14	.....	4	3	22	.....	.....	.....	11
3,672	1	2	209	223	.....	176,351	9	2	5	6	.....	.....	.....	.....	12
1,890	1	.....	199	192	.....	171,576	13	.....	3	2	24	.....	.....	.....	13
1,252	2	.....	188	167	.....	160,381	8	.....	4	1	17	.....	.....	.....	14
1,250	1	.....	169	218	.....	154,669	11	2	3	2	24	.....	.....	.....	15
1,249	1	.....	155	183	.....	143,390	6	.....	5	1	22	.....	.....	.....	16
564	3	.....	159	253	.....	54,385	6	.....	4	.....	21	.....	.....	.....	17
1,950	3	1	185	72	40,393	.....	.....	.....	1	.....	8	.....	.....	.....	18
41,983	102,200	26	15	199	4,745	78,654	4,417,380	214	18	85	53	417	.....	.....	.....	.....
600	250	12	16,550	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
35	1	.....	155	7	3,305	.....	95	1	.....	.....	.....	.....	.....	.....	2
210	300	8	3,176	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
75	1	.....	100	5	2,500	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
150	80	5	2,500	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
49	85	2	1,150	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
35	85	2	925	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
35	1	.....	90	2	800	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
15	40	2	700	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
31	1	.....	90	3	650	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
21	100	2	598	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
9	50	2	480	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
7	30	2	375	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
50	1	.....	50	4	275	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
6	50	2	248	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
3	20	3	160	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
5	25	1	150	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
10	90	2	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
4	20	2	70	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
2	15	2	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
2	5	2	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	21
1,333	5	.....	82	72	34,774	.....	95	1	.....	.....	.....	.....	.....	.....	.....
43,316	102,200	31	15	135	4,817	113,428	4,417,475	215	18	85	53	417

ELEVENTH DISTRICT, 1917.

770	1	211	95	105,645	3	5	15	1
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SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to railroad companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Franklin.....	21	11,317,657	9,907,951	1,091	991,643	70,273	346,699	18,378	1,585,393
2	Gallatin.....	2	116,145	111,265	1,208	.....	672	3,000	3,990	.....
3	Saline.....	18	4,496,034	4,054,925	4,698	291,461	42,332	102,618	41,983	102,200
4	White.....	1	105,645	51,394	3,196	40,215	7,644	3,196	770	.....
	Total.....	42	16,035,481	14,125,535	10,193	1,323,319	120,921	455,513	65,121	1,687,593

LOCAL MINES, RECAPITULATION BY

1	Gallatin.....	9	9,221	.....	.....	.....	9,221	.....	324	.....
2	Saline.....	21	34,809	.....	.....	.....	34,267	602	1,333	.....
	Total.....	30	44,090	.....	.....	.....	43,488	602	1,657	.....
	The district..	72	16,079,571	14,125,535	10,193	1,323,319	164,409	456,115	66,778	1,687,593

ALL MINES, RECAPITULATION BY

1	Franklin.....	21	11,317,657	9,907,951	1,091	991,643	70,273	346,699	18,378	1,585,393
2	Gallatin.....	11	125,366	111,265	1,208	.....	9,893	3,000	4,314	.....
3	Saline.....	39	4,530,903	4,054,925	4,698	291,461	76,599	103,220	43,316	102,200
4	White.....	1	105,645	51,394	3,196	40,215	7,644	3,196	770	.....
	Total.....	72	16,079,571	14,125,535	10,193	1,323,319	164,409	456,115	66,778	1,687,593

Whole number of mines reported for 1916, 70.
 Number of new and reopened mines during the year, 8.
 Number of mines abandoned during the year, 6.
 Whole number of mines reported for 1917, 72.

COUNTIES, ELEVENTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
227	10,511	364,386	10,953,271	416	37	277	196	179	8	2,531	2,514,565	1
223	164	53,316	62,829	3	.....	7	.....	18	.....	.....	.....	2
199	1,745	78,654	4,417,380	214	18	85	53	417	.....	.....	.....	3
241	95	.....	105,645	3	.....	5	.....	15	.....	.....	.....	4
215	15,515	496,356	15,539,125	636	55	374	249	629	8	2,531	2,514,565	

COUNTIES, ELEVENTH DISTRICT, 1917.

92	31	9,221	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
82	72	34,774	95	1	.....	.....	.....	.....	.....	.....	.....	2
85	103	43,995	95	1	.....	.....	.....	.....	.....	.....	.....
161	15,618	540,351	15,539,220	637	55	374	249	629	.....	.....	.....

COUNTIES, ELEVENTH DISTRICT, 1917.

227	10,511	364,386	10,953,271	416	37	277	196	179	.....	.....	.....	1
116	195	62,537	62,829	3	.....	7	.....	18	.....	.....	.....	2
136	1,817	113,428	4,417,475	215	18	85	53	417	.....	.....	.....	3
211	95	.....	105,645	3	.....	5	.....	15	.....	.....	.....	4
161	15,618	540,351	15,539,220	637	55	374	249	629	.....	.....	.....

TWELFTH INSPECTION DISTRICT.

COUNTIES—JOHNSON AND WILLIAMSON. HENRY BANNISTER, *Inspector.*

Hon. Evan D. John, Director, Department of Mines and Minerals, Springfield.

SIR: I have the honor to submit to you the annual report of this, the Twelfth District, comprising the coal producing counties of Johnson and Williamson.

SUMMARY OF THE ITEMS IN THE REPORT.

Number of counties producing coal.....	2
Number of shipping mines.....	35
Number of local mines.....	12
Number of new or reopened mines.....	10
Number of closed or abandoned mines.....	8
Number of men underground.....	8,048
Number of boys underground.....	209
Number of men outside the mine.....	1,034
Number of boys outside the mine.....	15
Total number of employees.....	9,306
Total tons of coal produced.....	9,684,125
Days of active operation, all mines.....	188
Kegs of powder used for blasting coal.....	253,355
Number of fatal accidents.....	34
Number of nonfatal accidents.....	130
Number of employees to each fatal accident.....	274
Number of employees to each nonfatal accident.....	72
Tons of coal produced to each fatal accident.....	248,827
Tons of coal produced to each nonfatal accident.....	74,493
Ratio of fatal accidents per 1,000 employees.....	3.65

The following table gives, by counties, the output, the days worked and the number of men employed, 1917 and 1916, with the increase or decrease in each:

County.	1917			1916			Increase.			Decrease.		
	Output— tons.	Days worked.	Men em- ployed.	Output— tons.	Days worked.	Men em- ployed.	Tons.	Days.	Men.	Tons.	Days.	Men.
Johnson.....	17,823	136	12	1,981	127	11	15,842	9	1	.....	.....	.....
Williamson.....	9,666,302	191	9,294	7,904,528	181	8,571	1,761,774	10	723	.....	.....	.....
Total and average	9,684,125	188	9,306	7,906,509	177	8,582	1,777,616	.....	724	.....	.....	.....
Net.....	.....	.....	.....	.....	.....	.....	.....	11	.....	.....	.....	.....

NEW AND REOPENED MINES.

A. S. Hindley, Creal Springs; A. J. Dougherty, New Burnside; Taylor Mining Co., No. 3 mine, Herrin; Federal Coal Co., No. 25 mine, Thomas E. Lewis, Carterville; Johnston City Washed Coal Co., Whiteash; Marion & Pittsburg Coal Co., Pittsburg; Henderson & Wallace, Lewis Coal Co., C. M. Bridis, Marion.

CLOSED AND ABANDONED MINES.

A. C. Goddard, T. M. McMichael, New Burnside; H. P. Crain, Mat Ghent, Carterville; A. Motsinger, Charles Motsinger, Crab Orchard; Peabody Coal Co., mine No. 2, M. T. Bateman, Herrin.

CHANGE OF NAME.

Watson & Ward to P. M. Ward; Cambria Coal Co. to Ernest Coal Co.; Carterville & Herrin Coal Co. to Pratt Bros.; J. S. McNeil to E. Lewis Coal Co.; St. Louis & Carterville Coal Co. to Duncan Coal Co.; Sunnyside Coal Co. to T. G. Warden Coal Co.; Waldron & Brayfield to W. J. John; Watson Coal Co. mine No. 2 to Ridge Coal Co.

IMPROVEMENTS.

The Marion & Pittsburg Coal Company's mine, which had been closed for some time, has been reopened, and the plant is being remodeled and rearranged, and when completed, a 3,000-ton per day plant will have been installed. Two 150 horsepower boilers have been added to the two already installed and a second 150 kilowatt generator and engine are in the course of installation. A blacksmith shop, carpenter shop, supply house and wash house have been erected of concrete and corrugated iron. Load and empty yards have been graded and tracks installed to handle the increasing output of the mine. Track scale has been installed with beam operating inside the mine office building, which building has been moved and additions made. Railroad switches deliver material direct to supply houses and timber yard and tracks have been arranged to give the greatest efficiency in the handling of coal and material and supplies. Inside, the roadways have been cleaned and the tracks relaid with 35-pound steel, and development of the mine is being carried on as rapidly as possible. The manner of working has been changed to the panel system and panels are 520 feet by 1,320 feet. Rooms are to be 250 feet long, driven 24 feet wide on 40-foot centers.

The property of the Cambria Coal Company of Johnston City, Illinois, was purchased from the referee in bankruptcy by the Ernest Coal Co. and the latter company has, during the past year, erected a thoroughly modern plant. The shafts had been sunk for about ten years on the property, but only about 500 feet of entry driven by the old company. A connection was secured with the C., B. & Q. R. R. Co., and the new plant was put into operation in September, 1916. Steam is furnished by a battery of two 150 horsepower boilers for hoisting and operating the fan, and power is purchased from the C. I., P., S. Co., for the electrical requirements. Two motor generator sets of 100 kilowatt and 200 kilowatt capacity, respectively, have been installed, together with complete switchboard equipment for operating the sets independently or in parallel, as well as transformers to provide 220 volt a. c. power for operating the shop and tippie motors, as well as pumping inside the mine and lighting top and bottom. The power house is of brick construction and the shop, wash house and other buildings are of corrugated iron. The tippie is a modern 5-track installation and equipped to prepare coal in the best possible manner. The shaker screen is 8 feet wide and arranged to size coal into 6-inch lump, 3- by 6-inch egg, 12- by 3-inch nut, 1¼- by 2-inch nut, 1¼- by 2-inch screenings and mine run, or any combination of the above sizes. Degradation screens are provided to re-screen coal before it is loaded.

The mine has been developed on the panel system, the main entries being driven north and south with cross entries east and west and rooms are all driven east and west from north and south stub entries. All coal is mined with machines and while some mules are used for gathering, most of the hauling is done by four 6-ton gathering locomotives, all of which deliver loads to shaft bottom, and four separate roadways are maintained for empty trips to get away. The coal averages ten feet in thickness and two feet is left for roof protection in entries and rooms, but recovered in the rooms on retreat together with the pillars.

The Big Muddy Fuel Company, N. V. Johnston City, has installed one new fan, twenty new pit cars and two new cages.

Federal Coal Company's mine No. 25, known as Burr C, at Cartersville, has installed electric haulage, one 200 kilowatt motor generator set, four electric pumps, an electric lighting system, made run-a-round on bottom to switch empty coal cars, renewed all buildings with corrugated iron, bought 100 new 3-ton pit cars, painted all top buildings, retimbered mine at bottom of shaft, put in new rails and retimbered old tracks on bottom, and made a general overhauling of all top and bottom works.

FATAL ACCIDENTS.

July 25, 1916, Mike Kashu, miner, age 46 years, single, was killed by falling slate while pulling pillars, in Searls Coal Company's mine, Johnston City, Williamson County.

August 28, 1916, Robert Meadows, carpenter, age 38 years, married, was killed by the bursting of a compressed air pipe in Big Muddy Coal and Iron Company's No. 8 mine, Clifford, Williamson County. He leaves a widow and one child.

September 30, 1916, Pasquala Reggio, miner, age 38 years, married, was killed in Johnston City Coal Company's mine, Johnston City, Williamson County, by being caught between motor and coal rib. He leaves a widow and three children.

October 8, 1916, George Benedict, driver, age 26 years, married, employed in Taylor Mining Company's mine, No. 1, Herrin, Williamson County, was caught between two loaded pit cars which he was trying to couple, and killed. He leaves a widow and two children.

October 20, 1916, Otto Woodard, top boss, age 27 years, married, was killed by being caught between a car and the cage while trying to put the car on the cage from the hopper at the mine of the Johnston City Coal Company, Johnston City, Williamson County. He leaves a widow and four children.

November 2, 1916, William Keller, miner, age 44 years, married, was struck by a runaway car and killed in Chicago, Big Muddy Coal and Coke Company's mine, Marion, Williamson County. He leaves a widow and one child.

November 23, 1916, George W. Davis, trip rider, age 27 years, married, was killed by being run over by pit cars in Johnston City Coal Company's mine, Johnston City, Williamson County. He leaves a widow and two children.

December 8, 1916, Cipole Karus, laborer, age 39 years, married, Floyd Adamson, laborer, age 23 years, married, and Samuel Long, laborer, age 34 years, married, were killed by being overcome by fumes and smoke from a fire in the mine of Johnston City Coal Company, Johnston City, Williamson County. Karus leaves a widow and five children, Adamson a widow and one child and Long a widow and two children.

December 20, 1916, Otto Holestein, driver, age 20 years, single, was run over and killed by a pit car in the mine of Searls Coal Company, Johnston City, Williamson County.

December 28, 1916, Leo Murphy, driver, age 20 years, single, was killed in Pond Creek Coal Company's mine, Herrin, Williamson County, by being caught between a car and the coal rib while trying to get on the car.

January 4, 1917, Arlie Crain, laborer, age 25 years, married, employed at the No. 2 mine of the Taylor Mining Company, Herrin, Williamson County, was run over and killed by a railroad car. He leaves a widow and one child.

January 5, 1917, John Siko, miner, age 16 years, single, was killed by falling coal in Williamson County Coal Company's mine, Johnston City, Williamson County.

January 15, 1917, Ennis A. Meyers, driver, age 27 years, married, was killed in Big Muddy Coal and Iron Company's No. 7 mine, Herrin, Williamson County, by a fall of slate.

February 7, 1917, Evert Lacy, pipeman, age 38 years, married, was run over and killed by pit cars, in Pond Creek Coal Company's mine, Herrin, Williamson County. He leaves a widow and one child.

February 16, 1917, Tom Barlow, coupler, age 16 years, single, was killed by pit cars in Williamson County Coal Company's mine, Johnston City, Williamson County.

February 28, 1917, Albert Friar, machine helper, age 37 years, single, was killed by falling coal in W. P. Rend Coal and Coke Company's mine No. 2, Herrin, Williamson County.

March 15, 1917, Arthur Paul, motorman, age 30 years, married, came to his death by being caught between his motor and empty pit cars in Williamson County Coal Company's mine, Johnston City, Williamson County. He leaves a widow.

March 18, 1917, S. J. Berhar, timberman, age 42 years, married, was electrocuted in Johnston City Coal Company's mine, Johnston City, Williamson County. Deceased was unloading ties from a mine car; he had one foot on the car wheel and the other one on a pile of iron rails; in some way he struck his head against an electric wire. He leaves a widow and five children.

April 10, 1917, James Teague, loader, age 51 years, married, was killed by falling coal in Sunnyside Coal Company's mine, Herrin, Williamson County. He leaves a widow and eight children, four of whom are dependent.

May 5, 1917, John Denistre, miner, age 66 years, married, was killed by pit cars in Chicago and Carterville Coal Company's mine "B," Herrin, Williamson County. He leaves a widow.

May 29, 1917, James R. Kirk, shot firer, age 42 years, married, was killed by a shot explosion in Federal Coal Company's No. 25 mine, Carterville, Williamson County. He leaves a widow and three children.

June 2, 1917, an explosion of gas occurred in the W. P. Rend Coal & Coke Company's mine, Herrin, Williamson County, in which nine men lost their lives. Their names are as follows: Charles Rice, age 38 years, laborer, married, leaves widow and five children; Ezra Adams, age 38 years, laborer, married, leaves a widow; Guy Vickery, age 25 years, laborer, single; Amos Mezo, age 35 years, laborer, married, leaves a widow and three children; Otis Reynolds, age 20 years, laborer, single; Ira Sanders, age 35 years, night boss, married, leaves a widow; J. S. Good, age 32 years, laborer, married, leaves a widow; John Gassage, age 30 years, laborer, single; and Roy Weather, age 19 years, laborer, single.

June 5, 1917, Caleb Oliver, trip rider, age 20 years, single, was killed by pit cars in Searls Coal Company's mine, Johnston City, Williamson County.

June 7, 1917, Finis Hodge, laborer, age 35 years, was caught between two cars and killed in Peabody Coal Company's No. 3 mine, Marion, Williamson County.

Respectfully submitted,

H. T. BANNISTER,
Inspector, Herrin, Illinois.

FATAL CASUALTIES, TWELFTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Occupation.	Residence.	Married.	Single.	Widow.	Children.	Dependents.	Cause of death.
1916										
July 25	Mike Kashu.....	46	Miner.....	Johnston City..	1	1				Falling slate.
Aug. 28	Robert Meadows.....	38	Carpenter.....	Herrin.....	1	1	1	2		Bursting pipe.
Sept. 20	Pasquala Regglo.....	38	Miner.....	Johnston City..	1	1	3	4		Motor.
Oct. 8	George Benedict.....	26	Driver.....	Herrin.....	1	1	2	3		Pit cars.
Oct. 20	Otto Woodard.....	27	Foreman.....	Johnston City..	1	1	4	5		Pit car.
Nov. 2	William Keller.....	44	Miner.....	Marion.....	1	1	1	2		Pit cars.
23	George W. Davis.....	27	Trip rider.....	Johnston City..	1	1	2	3		Pit car.
Dec. 8	Cipolo Karus.....	39	Laborer.....	do.....	1	1	5	6		Asphyxiated.
8	Floyd Adamson.....	23	do.....	do.....	1	1	1	2		Asphyxiated.
8	Samuel Long.....	34	do.....	do.....	1	1	2	3		Asphyxiated.
20	Otto Holestain.....	20	Driver.....	do.....	1	1				Pit car.
28	Leo. Murphy.....	20	do.....	Herrin.....	1	1				Pit car.
1917										
Jan. 4	Arlie Crain.....	25	Laborer.....	do.....	1	1	1	2		Railroad car.
5	John Siko.....	16	Miner.....	Johnston City..	1	1				Falling slate.
15	Ennis A. Meyers.....	27	Driver.....	Herrin.....	1	1	5	6		Falling slate.
Feb. 7	Everet Lacy.....	38	Laborer.....	do.....	1	1	1	2		Pit car.
16	Tom Barlow.....	16	Coupler.....	Johnston City..	1	1				Pit car.
26	Albert Frlar.....	37	Machine helper.	Saginaw, Mich.	1	1				Falling coal.
Mar. 15	Arthur Paul.....	30	Motorman.....	Johnston City..	1	1		1		Motor.
18	S. J. Berhar.....	42	Timberman.....	Johnston City..	1	1	5	6		Electrocuted.
Apr. 10	James Teague.....	51	Loader.....	Herrin.....	1	1	8	5		Falling coal.
May 5	John Denistre.....	66	Miner.....	do.....	1	1		1		Pit car.
20	James R. Kirk.....	42	Shot firer.....	Carterville.....	1	1	3	4		Shot explosion.
June 2	Charles Rice.....	38	Laborer.....	Herrin.....	1	1	5	6		Gas explosion.
2	Ezra Adams.....	38	do.....	do.....	1	1		1		Gas explosion.
2	Guy Vickery.....	25	do.....	do.....	1	1				Gas explosion.
2	Amos Mezo.....	35	do.....	do.....	1	1	3	4		Gas explosion.
2	Otis Reynolds.....	20	do.....	do.....	1	1				Gas explosion.
2	Ira Sanders.....	35	Foreman.....	do.....	1	1		1		Gas explosion.
2	J. S. Good.....	32	Laborer.....	do.....	1	1		1		Gas explosion.
2	John Gassage.....	30	do.....	do.....	1	1				Gas explosion.
2	Roy Weather.....	19	do.....	do.....	1	1				Gas explosion.
5	Caleb Oliver.....	20	Trip rider.....	Johnston City..	1	1		1		Pit car.
7	Finis Hodge.....	35	Laborer.....	Marion.....	1	1	4	5		Pit car.
	Total.....				23	11	23	56	75	

RECAPITULATION OF FATAL ACCIDENTS, TWELFTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Carterville.....	1	Carpenter.....	1	Asphyxiated.....	3	Big Muddy C. & I. Co..	2
Herrin.....	17	Coupler.....	1	Bursting pipe.....	1	Chicago-Big. M. C. Co..	1
Johnston City.....	13	Drivers.....	4	Electrocuted.....	1	Chicago-Carter. C. Co..	1
Marion.....	2	Foremen.....	2	Falling coal.....	2	Federal Coal Co.....	1
Saginaw, Mich.....	1	Laborers.....	14	Falling slate.....	3	Johnston City Coal Co.	7
		Loader.....	1	Gas explosion.....	9	Peabody Coal Co.....	1
		Machine helper.....	1	Motor.....	2	Pond Creek Coal Co.....	2
		Miners.....	5	Pit car.....	11	W. P. Rend Col. Co.....	10
		Motorman.....	1	Railroad car.....	1	Searls Coal Co.....	3
		Shot firer.....	1	Shot explosion.....	1	Taylor Mining Co.....	2
		Timberman.....	1			T. G. Warden Coal Co..	1
		Trip riders.....	2			Williamson Co. C. Co..	3
Total.....	34		34		34		34

NONFATAL CASUALTIES, TWELFTH DISTRICT, JUNE 30, 1917.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1916									
July	Homer Brown.....	23	Herrin.....	1				Finger injured, not stated.....	35
	5 Wm. Hull.....	38	Johnston City.....	1		5	6	Leg injured, pit car.....	165
	10 Raymond Ennis.....	27	Bush.....	1				Legs injured, pit car.....	33
	11 Forest Monroe.....	17	Herrin.....	1				Arm injured, fell off car.....	90
	13 Robert Briscoe.....		Johnston City.....	1				Legs injured, pit car.....	30
	14 Harry Jarvis.....	38	Herrin.....	1			1	Arm broken, falling slate.....	*
	15 James Bolar.....	40	do.....	1		5	4	Foot injured, pit car.....	30
	31 Wm. Bonds.....	36	Colp.....	1		1	2	Arm injured, pit car.....	49
Aug.	8 Frank De Boni.....		Johnston City.....	1		1	1	Head injured, falling slate.....	30
	14 Thos. Versales.....	39	Colp.....	1				Body injured, pushing car.....	52
	25 Ben Viagina.....	40	Herrin.....	1			1	Hand injured, coal falling down shaft.....	33
	26 George Oldonia.....	35	do.....	1		2	3	Hand injured, falling coal.....	30
	28 Troy Lane.....	21	do.....	1		1		Rib broken, pit car.....	30
	28 C. W. Winegardner.....	45	Clifford.....	1		2	3	Body injured, not stated.....	33
Sept.	7 Chas. Carnaghi.....	49	Herrin.....	1		2	3	Head injured, falling coal.....	42
	8 George Hanks.....	27	Clifford.....	1		2	3	Body injured, bursting pipe.....	54
	16 Henry Guder.....	34	Marion.....	1			1	Leg injured, fell off car.....	75
	18 Peter Pastumtch.....		Johnston City.....	1		3	3	Leg broken, falling slate.....	90
	18 Frank Joehovitz.....	46	Herrin.....	1		5	6	Body injured, falling coal.....	42
	23 John Skleney.....	36	Clifford.....	1		7	8	Collar bone broken, motor.....	43
	27 Chas. Howser.....	33	Johnston City.....	1		2	3	Toes broken, pit car.....	33
	30 Sam Allen.....	42	do.....	1		4	5	Foot injured, cage.....	30
Oct.	5 Henry Gibson.....	29	Herrin.....	1				Leg broken, pit car.....	60
	Fred Ames.....	45	do.....	1			1	Body injured, falling slate.....	30
	8 K. Donatt.....	19	Johnston City.....	1			2	Hand broken, pit car.....	58
	10 John Strobaugh.....		do.....	1				Leg injured, fell off car.....	40
	10 George Fuller.....	24	Marion.....	1				Collar bone broken, pit car.....	33
	18 Dan Holley.....	37	Dewmaine.....	1		1		Eye injured, flying coal.....	70
	20 R. H. Hughes.....	33	Marion.....	1		1	2	Arm broken, flying steel.....	51
	23 Dause Cundiff.....	38	Cambris.....	1			1	Hand injured, falling coal.....	31
	21 Andy Stolan.....		Johnston City.....	1				Body injured, pit cars.....	30
	25 Richard Gum.....	18	Herrin.....	1				Body injured, pit car.....	50
	27 Elmore Spears.....	33	Dewmaine.....	1				Eye injured, flying coal.....	96
	27 W. M. Wyatt.....	28	Herrin.....	1		2	3	Leg injured, falling coal.....	46
	28 William Varmon.....		do.....	1		1		Leg injured, not stated.....	34
	28 O. Sine.....	31	Johnston City.....	1		4	5	Foot injured, machine.....	45
	30 Henry Gollman.....	50	Herrin.....	1				Foot injured, not stated.....	40
Nov.	31 Ray Crowell.....	20	do.....	1		2	3	Hand injured, falling coal.....	30
	10 Ostel Bullock.....	30	do.....	1			1	Leg broken, pit car.....	60
	10 Lawrence Bateman.....	34	do.....	1		3	4	Foot injured, falling slate.....	38
	10 Guy Newbold.....	26	do.....	1		1	2	Leg injured, falling slate.....	30
	14 Leonard Stanton.....	24	do.....	1				Rib broken, falling slate.....	43
	14 Chriss Cherry.....	32	Dewmaine.....	1				Leg injured, falling coal.....	60
	18 Ollie Barwick.....	35	Cartersville.....	1		2	3	Back injured, fell.....	34
	20 Frank Winters.....	21	do.....	1				Hand injured, hand saw.....	30
	20 Pete Bolland.....	40	do.....	1		3	4	Hands burned, gas explosion.....	45
	21 Chriss Neiholoff.....	25	Herrin.....	1				Arm broken, caught in wheel.....	*
	23 Alfred Walker.....	40	do.....	1		6	7	Wrist broken, pit car.....	35
	26 Frank Foodrich.....	39	do.....	1		2	3	Finger injured, rail.....	39
	27 Jacko Derardo.....	25	Clifford.....	1				Ankle broken, railroad car.....	*
	28 Delmar Burgess.....	25	Johnston City.....	1		1	2	Body injured, pit car.....	60
	28 Teddy Ykovitch.....		do.....	1			1	Body injured, falling slate.....	30
Dec.	9 Thos. Pickering.....		do.....	1				Body injured, pit car.....	30
	21 W. J. Ramsey.....	45	Whiteash.....	1		3	1	Leg broken, falling coal.....	95
	22 Nick Perino.....	39	Johnston City.....	1		3	4	Leg broken, falling slate.....	120
	27 P. H. McSherry.....	34	do.....	1			1	Finger broken, pit car.....	55
	27 Cale Martin.....	67	do.....	1				Leg injured, falling coal.....	30
	28 Frank McNeill.....	58	Herrin.....	1				Head injured, falling coal.....	40
	28 Toney Savoeo.....	25	Whiteash.....	1		3	4	Finger broken, falling slate.....	60
	30 Barney Alkus.....		Johnston City.....	1			1	Leg injured, falling coal.....	30
1917									
Jan.	6 Robert Barnett.....	27	Colp.....	1				Body injured, falling coal.....	30
	6 H. C. Sadberry.....	50	do.....	1		12	13	Body injured, pit car.....	45
	6 Wm. Stephens.....	25	Herrin.....	1			1	Foot injured, caught under rail.....	150
	6 Joe Rakiska.....	49	do.....	1				Shoulder injured, fell.....	120
	7 John Tapella.....	40	do.....	1			1	Finger injured, pick.....	48
	8 Frank Boalby.....	47	do.....	1		2	1	Body injured, falling slate.....	55
	9 Homer Garris.....	34	do.....	1				Collar bone broken, pit car.....	63
	10 John Cross.....	45	Energy.....	1			1	Foot broken, falling coal.....	63
	12 Wayne Carr.....	20	Colp.....	1				Body injured, kicked by mule.....	36
	19 Alvin Stewart.....	21	Dewmaine.....	1			4	Foot injured, motor.....	60

NONFATAL CASUALTIES, TWELFTH DISTRICT, JUNE 30, 1917—concluded.

Date.	Name.	Age.	Residence.	Married.	Single.	Children.	Dependents.	Character of injury and cause of accident.	Time lost—days.
1917									
Jan.	23 T. J. Osbourn.	28	Herrin	1			1	Wrist injured, falling coal.	60
	25 Clyde Parker.		Johnston City.	1			1	Arm broken, falling slate.	180
	31 John Machys.	31	Dewmaue	1				Body injured, falling coal.	60
Feb.	1 Chas. Rosman.	35	Colp.	1				do.	34
	2 L. Brevi.	32	Johnston City.	1			1	Back injured, pushing car.	31
	4 J. F. Chumness.	32	Energy	1	3		4	Foot broken, falling slate.	120
	6 R. H. Collins.	43	Herrin	1	2		3	Body burned, shot explosion.	35
	7 Pete Lapposa.	27	do.	1				Leg injured, motor.	35
	10 L. A. Chiodinia.	44	do.	1	2		3	Eye injured, flying coal.	51
	12 Clyde Miles.	26	do.	1	2		3	Leg broken, falling slate.	120
	13 Thos. Lane.	55	do.	1	6		7	Leg injured, fell off car.	70
	13 Mariou Kirk.	30	do.	1			1	Body injured, falling coal.	42
	17 Louis Calcaterra.	53	do.	1	6		7	Leg injured, falling slate.	46
	17 John Patsaivich.	46	Whiteash.	1	4		3	Leg broken, falling slate.	*
	19 Chas. Childers.	30	Herrin	1			1	Leg injured, pit car.	120
	20 Eugene Vincent.	23	do.	1				Finger injured, sprag.	30
	21 Joe Carnaghi.	32	do.	1				Eye injured, flying coal.	40
	21 John Metcalf.	40	Johnston City.	1	1		2	Foot injured, falling coal.	30
	24 Julius Virginia.	50	Herrin	1			1	Body injured, falling rock.	40
	24 Nick Ludoff.	25	do.	1				Rib broken, pit car.	30
Mar.	1 John Hardin.	34	Colp.	1			1	Leg broken, falling coal.	90
	1 Chas. Underwood.	41	Clifford	1			1	Head injured, trolley wire.	36
	3 Steve Kish.	37	Johnston City.	1	5		6	Ribs broken, pit car.	38
	6 Leon Suan.	25	Marion	1	1		2	Arm injured, falling coal.	30
	7 Clyde Parker.	26	Colp.	1			1	Arm broken, pit car.	45
	16 Anton Addie.	33	Herrin	1			1	Back injured, lifting car.	38
	17 Thos. Stallon.		do.	1				Leg injured, falling prop.	36
	19 George Yochunans.		Johnston City.	1				Leg injured, falling coal.	35
	20 James Bishears.	33	Herrin	1	2		3	Leg broken, falling slate.	120
	24 Walter Snoddy.	32	do.	1				Back injured, falling slate.	30
	27 C. McClellan.	16	Clifford	1				Leg broken, pit car.	34
	28 Otis Reynolds.	20	Herrin	1				Foot injured, pit car.	30
	31 E. L. Brackett.	35	Whiteash.	1	4		5	Fingers cut off, saw.	90
Apr.	3 Chas. Woodiine.	41	Cambria.	1			1	Back injured, falling slate.	75
	3 Spence Yates.	28	Herrin	1	2		3	Body injured, gas explosion.	60
	3 John Zerostanus.		Johnston City.	1				Head injured, falling slate.	30
	4 Martin Albin.		do.	1			1	Body burned gas explosion.	30
	16 Lee Lamb.		do.	1			1	Leg cut off, pit car.	100
	17 George Beck.	29	W. Frankfort.	1			2	Body injured, falling coal.	35
	18 Chas. Lapinski.		Johnston City.	1			1	do.	60
	19 Chas. Wills.	23	Marion	1				Arm broken, pit car.	60
	21 John Harris.	34	Herrin	1			1	Body injured, falling slate.	32
	23 Arthur Sturm.	27	Pittsburg	1				Body injured, pit car.	35
	23 Ed. Jacobs.	34	Herrin	1				Finger injured, sprag.	30
	24 John Durham.	45	do.	1			1	Finger cut off, switch.	39
	30 Walter Murry.	20	do.	1				Finger injured, sprag.	57
	30 Joseph Rhoads.	49	do.	1	2		2	Collar bone broken, pit car.	30
May	1 Joe Romeo.	38	Bush	1	3		4	Body injured, falling coal.	60
	2 G. Darrington.	35	do.	1				Arm injured, gear of pump.	34
	3 J. O. Taylor.		Herrin	1	3		4	Head injured, falling coal.	43
	4 Amalia Garavalia.	40	do.	1			1	Leg injured, falling coal.	30
	9 Wm. Bowman.	35	do.	1			1	Finger injured, pit car.	52
	10 C. Kierutis.	43	do.	1	6		7	Collar bone broken, shot explosion.	60
	23 Sam Foster.	39	do.	1			1	Body injured, falling prop.	34
	23 Joe Cbasnek.	35	Johnston City.	1			1	Arm broken, coal fell down shaft.	30
June	2 W. A. Brewer.	28	Herrin	1				Body injured, gas explosion.	*
	2 Thos. Cox.	33	do.	1	2		3	Body burned, gas explosion.	*
	12 Chas. Mauzy.	29	do.	1				Finger injured, falling timber.	*
	12 J. Sala.	20	Johnston City.	1				Body injured, falling coal.	50
	19 J. Varo.	38	do.	1				Leg broken, falling coal.	50
	Total.			77	53	146	222		

* Not returned to work June 30, 1917.

Number injured..... 130

Number not returned to work..... 7

Number returned..... 123

Time lost by men returned, days..... 6,349

Average days lost..... 51.62

RECAPITULATION OF NONFATAL ACCIDENTS, TWELFTH DISTRICT, 1917.

Residence.	No.	Occupation.	No.	Cause of accident.	No.	Colliery.	No.
Bush.....	3	Cagers.....	5	Cage.....	1	Big Muddy C. & I. Co.	11
Cambridge.....	2	Carpenters.....	2	Caught by objects.....	4	Big Muddy Fuel Co.	4
Cartersville.....	3	Coupler.....	1	Falling coal.....	28	Cartersville & B. Muddy	
Clifford.....	6	Drivers.....	29	Falling rock.....	1	Coal Co.	1
Colp.....	8	Foremen.....	2	Falling slate.....	21	Chi.-Cartersville C. Co.	15
Dewmaine.....	5	Laborers.....	11	Fell.....	6	Consolidated Coal Co.	14
Energy.....	2	Loaders.....	4	Flying coal.....	4	Ernest Coal Co.	2
Herrin.....	61	Machinist.....	1	Gas explosion.....	5	Johnston City Coal Co.	10
Johnston City.....	29	Machine runner.....	5	Lifting objects.....	1	Johnston C. W. C. Co.	2
Marion.....	5	Miners.....	49	Machine.....	1	Madison Coal Corp.	18
Pittsburg.....	1	Motorman.....	1	Motor.....	3	Marion-Pittsburg C. Co.	1
W. Frankfort.....	1	Shot firers.....	2	Mule.....	1	Peabody Coal Co.	2
Whiteash.....	4	Spragger.....	1	Pit cars.....	30	Pond Creek Coal Co.	3
		Timbermen.....	3	Pushing car.....	2	W. P. Rend Coal Co.	18
		Trackmen.....	3	Railroad car.....	1	Scranton & B. M. C. Co.	2
		Trapper.....	1	Shot explosion.....	2	Searls Coal Co.	3
		Trip riders.....	7	Struck by objects.....	15	Taylor Mining Co.	7
				Not stated.....	4	F. G. Warden Coal Co.	6
						Western C. & M. Co.	3
						Williamson Co. C. Co.	1
Total.....	130		130		130		130

RECAPITULATION OF NONFATAL ACCIDENTS, NATURE OF INJURIES, CONJUGAL RELATIONS, AND TIME LOST, TWELFTH DISTRICT, 1917.

Nature of injuries.	Number.	Married.	Single.	Children.	Dependents.	Time lost—days.		Percentage of injuries.
						Total.	Average.	
Ankle broken ¹	1		1					.77
Arm broken ²	4	5	2	12	5	366	73.20	5.38
Arm injured.....	4	12	2	12	4	203	50.75	3.08
Back injured.....	5	4	1	12	6	208	41.60	3.85
Body burned ¹	3	3		4	7	65	32.50	2.31
Body injured ¹	27	15	12	29	44	1,069	41.12	20.77
Collar bone broken.....	5	3	2	15	17	229	45.80	3.85
Eye injured.....	4	1	3	2	3	257	64.25	3.08
Finger broken.....	2	1	1	3	5	115	57.50	1.54
Finger cut off.....	2	2		4	6	129	64.50	1.54
Finger injured ¹	8	3	5	2	5	291	41.57	6.15
Foot broken.....	2	2		3	5	183	91.50	1.54
Foot injured.....	9	6	3	18	24	453	50.33	6.92
Hand broken.....	1		1		2	58	58.00	.77
Hand injured.....	6	5	1	7	12	199	33.17	4.61
Head injured.....	6	4	2	5	9	221	36.83	1.61
Leg broken ¹	11	8	3	15	21	839	83.90	8.46
Leg cut off.....	1	1			1	100	100.00	.77
Leg injured.....	18	8	10	20	29	945	52.50	13.84
Rib broken.....	4	1	3	5	6	171	42.75	3.08
Shoulder injured.....	1		1			120	120.00	.77
Toes broken.....	1	1		2	3	33	33.00	.77
Wrist broken.....	2	2		6	8	95	47.50	1.54
Total.....	130	77	53	116	222	6,349	51.62	100.00

¹ One not returned to work.² Two not returned to work.

JOHNSON COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
LOCAL MINES.								
1	A. S. Hindley.....	Creal Springs.	15,000				15,000	
2	P. M. Ward.....	N. Burnside.	2,373				2,373	
3	A. J. Dougherty.....	do.	450				450	
Total—3 mines.....			17,823				17,823	

Mines in 1916, 3. New mines, 2. Abandoned mines, 2. Mines in 1917, 3.

WILLIAMSON COUNTY,

SHIPPING MINES.								
1	W. P. Rend Coal & Coke Co., No. 2	Herrin	702,304	611,993		66,606	1,565	22,140
2	Johnston City C. Co., No. 1	Johnston City	636,262	400,826		226,977		8,459
3	Peabody Coal Co., No. 3	Marion	627,400	461,920		143,705	36	21,739
4	Madison C. Corp., No. 9	Dewmaine	564,954			549,028	2,406	13,520
5	Chi. & Carterville C. Co., A.	Herrin	522,373	386,826		88,625	8,481	38,441
6	Big Muddy C. & I. Co., No. 8	Clifford	491,388	253,294		180,501	2,574	55,019
7	Madison Coal Corp., No. 8	Dewmaine	482,079			468,234	2,263	11,582
8	Big Muddy C. & I. Co., No. 7	Herrin	481,278	365,583		74,514	4,727	36,454
9	Searls Coal Co., McC.	Johnston City	464,313	403,718	50,000		4,415	6,180
10	Consolidated C. Co., Lake C.	do.	458,043	6,440		445,000	1,003	5,600
11	T. G. Warden, No. 1	Herrin	395,070	344,222			2,678	48,170
12	Western C. & M. Co., No. 1	Bush	281,402			258,771	1,847	20,784
13	Chicago & Big Muddy Coal & Coke Co., No. 1	Marion	280,900	223,566		55,755	149	1,430
14	Taylor Mining Co., No. 2	Herrin	277,823	247,749		23,565	1,359	5,150
15	W. Virginia C. Co., No. 1	Marion	273,067	108,377		159,040	2,000	3,650
16	Chi. & Carterville C. Co., B.	Herrin	264,759	127,548		127,109		10,102
17	Seranton & Big Muddy Coal Mining Co.	Marion	247,638	86,247		148,589	1,464	11,358
18	Big Muddy Fuel Co., N. Va.	Johnston City	243,992	230,894		7,045	1,400	4,653
19	Pond Creek Coal Co.	Herrin	226,882	203,438		11,737	490	11,307
20	Hafer Washed C. Co., No. 3	Carterville	223,721	205,792			506	17,423
21	Pratt Bros. Jeffrey	Herrin	201,331	194,850			900	5,581
22	Taylor Mining Co., No. 1	do.	196,537	129,416		65,280	44	1,797
23	Duncan Coal Co., Dale	do.	161,802	113,250		43,695	2,530	2,327
24	Williamson Co. C. Co., No. 1	Johnston City	158,746	139,634		14,710		4,402
25	Ernest C. Co., Franco, No. 1	do.	145,651	143,412			637	1,602
26	Taylor Mining Co., No. 3	Herrin	132,476	100,015		30,280		2,181
27	Carterville, Big Muddy Coal Co., Carterville	Cambria	109,204	103,000		1,004		5,200
28	New Enterprise Coal Co.	Marion	99,665	59,755		39,714	101	95
29	Federal Coal Co., No. 25	Carterville	89,324	87,293			47	1,984
30	Johnston City Washed C. Co.	Whiteash	76,832	74,381			326	2,125
31	Ridge C. M. Co., No. 2	Marion	54,584	51,946			238	2,400
32	Marion & Pitts. C. Co., No. 2	Pittsburg	30,162	28,246	116		50	1,750
33	Henderson & Wallace C. Co.	Marion	17,718	17,718				
34	Lewis Coal Co.	do.	9,000	9,000				
35	E. Lewis Coal Co.	do.	6,000	6,000				
Total			9,634,680	5,926,349	50,116	3,229,484	44,146	384,585
LOCAL MINES.								
1	J. W. Staleup	Carterville	10,000				10,000	
2	W. H. John	do.	10,000				10,000	
3	Young Bros.	do.	4,017				3,817	200

WILLIAMSON COUNTY,

Number.	Name of operator.	Postoffice address of the mine.	Total output.	Disposition of output.				
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Tons sold to local trade.	Tons consumed or wasted at the mine.
4	E. McClanahan.....	Marion.....	3,705	.....	.....	.....	3,659	46
5	F. E. Rentfro.....	Crab Orchard	1,600	.....	.....	.....	1,600	.....
6	John W. Harris.....	do.....	800	.....	.....	.....	800	.....
7	Handkins & Sims.....	Marion.....	600	.....	.....	.....	600	.....
8	Thomas E. Lewis.....	Carterville.....	600	.....	.....	.....	600	.....
9	C. M. Bridis.....	Marion.....	300	.....	.....	.....	250	50
Total.....			31,622	.....	.....	.....	31,326	296
Total—44 mines.....			9,666,302	5,926,349	50,116	3,229,484	75,472	384,881

Mines in 1916, 42. New mines, 8. Abandoned mines, 6. Mines in 1917, 44.

SHIPPING MINES, RECAPITULATION BY

Number.	Counties.	Number of mines.	Total output.	Disposition of output.					Kegs of powder used for blasting.	Pounds of permissible explosives used.
				Tons loaded on cars for shipment.	Tons supplied to locomotives at the mines.	Tons sold to rail-road companies and loaded on cars.	Sold to local trade.	Consumed or wasted at the mine.		
1	Williamson.....	35	9,634,680	5,926,349	50,116	3,229,484	44,146	384,585	251,636	6,000
Total.....		35	9,634,680	5,926,349	50,116	3,229,484	44,146	384,585	251,636	6,000

LOCAL MINES, RECAPITULATION BY

1	Johnson.....	3	17,823	.....	.....	.....	17,823	.....	166	.....
2	Williamson.....	9	31,622	.....	.....	.....	31,326	296	1,553	.....
Total.....		12	49,445	.....	.....	.....	49,149	296	1,719	.....
The district.....		47	9,684,125	5,926,349	50,116	3,229,484	93,295	384,881	253,355	6,000

ALL MINES, RECAPITULATION BY

1	Johnson.....	3	17,823	.....	.....	.....	17,823	.....	166	.....
2	Williamson.....	44	9,666,302	5,926,349	50,116	3,229,484	75,472	384,881	253,189	6,000
Total.....		47	9,684,125	5,926,349	50,116	3,229,484	93,295	384,881	253,355	6,000

Whole number of mines reported for 1916, 45.
 Number of new and reopened mines during the year, 10.
 Number of mines abandoned during the year, 8.
 Whole number of mines reported for 1917, 47.

TWELFTH DISTRICT, 1917—concluded.

Kegs of powder used for blasting.	Pounds of permissible explosives used.	Inspections by—		Days of active operation.	Total employees.	Tons mined.		Mining machines—number in use.	Accidents.		Number of motors in use.	Number of animals underground.	Coal washer- or other special preparing plant.		Number.
		State inspector.	County inspector.			By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.		Tons prepared during the year.
111	150	7	3,705	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	95	6	1,600	.....	.....	.....	.....	.....	.....	.....	.....	.....
400	200	4	800	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	60	2	600	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	70	3	600	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	150	3	300	.....	.....	.....	.....	.....	.....	.....	.....	.....
1,553	2	.....	139	53	31,622	.....	.....	.....	.....	.....	.....	.....	.....	.....
252,189	6,000	68	.....	191	9,294	4,668,396	4,997,906	279	34	130	78	574	8	1,040	1,124,835

COUNTIES, TWELFTH DISTRICT, 1917.

Days of active operation.	Total employees.	Tons mined.		Number of machines.	Accidents.		Number of motors.	Animals underground.	Coal washers or other special preparing plant.			Number.
		By hand.	By machine.		Killed.	Injured.			Number in use.	Average daily capacity.	Tons prepared during the year.	
205	9,241	4,636,774	4,997,906	279	34	130	78	574	8	1,040	1,124,835	1
205	9,241	4,636,774	4,997,906	279	34	130	78	574	8	1,040	1,124,835	.....

COUNTIES, TWELFTH DISTRICT, 1917.

136	12	17,823	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
139	53	31,622	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
139	65	49,445	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
188	9,306	4,686,219	4,997,906	279	34	130	78	574	8	1,040	1,124,835	.....

COUNTIES, TWELFTH DISTRICT, 1917.

136	12	17,823	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
205	9,294	4,668,396	4,997,906	279	34	130	78	574	.....	.....	.....	2
188	9,306	4,686,219	4,997,906	279	34	130	78	574	.....	.....	.....	.....

SUPPLEMENT

MINE MANAGERS

MINE EXAMINERS

HOISTING ENGINEERS

REPORT OF MINER'S EXAMINING BOARD

REPORT OF MINE RESCUE DIVISION

STATE MINING BOARD.

EXAMINATIONS.

During the fiscal year ended June 30, 1917, five examinations were held for mine managers, mine examiners and hoisting engineers. Each of these tests was rigid and it is believed that each person receiving a certificate is well qualified for the position covered by his examination. The dates on which these examinations were held, the number of applicants and number of certificates granted are given below:

	1916		1917			Total.
	Oct. 9.	Dec. 12.	Feb. 12.	Apr. 2.	June 11.	
Mine managers, first class—						
Number of applicants.....	32	44	29	38	45	188
Number of certificates issued.....	24	41	25	17	34	141
Mine managers, second class—						
Number of applicants.....	17	12	9	7	10	55
Number of certificates.....	17	12	9	7	10	55
Mine examiners—						
Number of applicants.....	19	19	18	20	30	115
Number of certificates.....	11	14	12	14	13	64
Hoisting engineers, first class—						
Number of applicants.....	8	19	13	18	26	84
Number of certificates.....	4	12	9	8	16	49
Hoisting engineers, second class—						
Number of applicants.....	4	1	4	.....	2	11
Number of certificates.....	4	1	3	.....	2	10

MINE MANAGERS.

Name.	Post office.	County.	Age	Years experience.	Certificate number.	Kind of certificate.	Date of examination— July 1, 1916, to June 30, 1917.
Adams, George T.....	Matherville.....	Mercer.....	33	14	489	Second class....	Feb. 12
Adkinson, Frank.....	Breeds.....	Fulton.....	43	15	498	do.....	Apr. 2
Aken, R. B.....	Elkville.....	Jackson.....	32	16	633	First class.....	Apr. 2
Aman, George M., Jr.....	Edwards.....	Peoria.....	29	9	490	Second class....	Feb. 12
Anderson, Joseph T.....	Nashville.....	Washington.....	30	14	599	First class.....	Feb. 12
Argust, W. C.....	Tovey.....	Christian.....	33	21	588	do.....	Dec. 12
Bailey, T. F.....	Herrin.....	Williamson.....	29	15	657	do.....	June 11
Baird, Thomas.....	Colchester.....	McDonough.....	45	20	495	Second class....	Feb. 12
Barrass, James W.....	Johnston City.....	Williamson.....	35	22	600	First class.....	Feb. 12
Bartram, Robert.....	Farmington.....	Fulton.....	38	21	577	do.....	Dec. 12

MINE MANAGERS—Continued.

Name.	Post office.	County.	Age.	Years experi- ence.	Certificate number.	Kind of certificate.	Date of exam- ination —July 1, 1916, to June 30, 1917.
Bedwell, Samuel	Canton	Fulton	32	12	466	Second class	Oct. 9
Bedwell, Samuel	do	do	32	12	581	First class	Dec. 12
Bogue, James	Springfield	Sangamon	37	18	669	do	June 11
Bohlander, Edward	Pekin	Tazewell	49	15	563	do	Dec. 12
Bolton, Mark C.	Farmington	Fulton	43	20	580	do	Dec. 12
Boswell, L. A.	Hillsboro	Montgomery	41	29	617	do	Feb. 12
Bounty, Walter	East Peoria	Tazewell	36	20	568	do	Dec. 12
Bowie, Thomas	Johnston City	Williamson	32	17	651	do	June 11
Bowman, Carl	St. David	Fulton	30	12	557	do	Oct. 9
Bowns, V. A.	Roodhouse	Greene	27	15	460	Second class	Oct. 9
Boyce, Joe	Canton	Fulton	26	7	497	do	Apr. 2
Brown, Thomas B.	Christopher	Franklin	38	20	668	First class	June 11
Budds, W. C.	Eldorado	Saline	36	22	632	do	Apr. 2
Burnett, John H.	Herrin	Williamson	37	18	614	do	Feb. 12
Burton, John	Colchester	McDonough	48	30	471	Second class	Oct. 9
Cairns, Robert	Gillespie	Macoupin	36	20	663	First class	June 11
Carlton, Harry	Roodhouse	Greene	31	12	459	Second class	Oct. 9
Carlton, Percy	Springfield	Sangamon	33	22	537	First class	Oct. 9
Casler, L. B.	Lewistown	Fulton	44	24	475	Second class	Dec. 12
Cassassa, J. B.	Springvalley	Bureau	27	12	631	First class	Apr. 2
Cathie, John	Johnston City	Williamson	52	40	624	do	Apr. 2
Clark, John	Springfield	Sangamon	47	25	620	do	Feb. 12
Clark, Ralph	Farmington	Fulton	42	27	583	do	Dec. 12
Conlin, William	Virdeu	Macoupin	52	25	670	do	June 11
Cooper, Frederick	Springfield	Sangamon	28	5	551	do	Oct. 9
Cowell, William	West Frankfort	Franklin	30	15	611	do	Feb. 12
Cramer, William	Edwards	Peoria	50	8	484	Second class	Dec. 12
Dangerfield, E. B.	Herrin	Williamson	37	25	538	First class	Oct. 9
Demoss, Will	Kangley	LaSalle	50	30	494	Second class	Feb. 12
Dibbins, Ed.	Belleville	St. Clair	37	22	604	First class	Feb. 12
Dickinson, W. A.	Gillespie	Macoupin	36	18	666	do	June 11
Docherty, Thomas	Preemption	Mercer	33	17	467	Second class	Oct. 9
Donnelley, Peter	LaSalle	LaSalle	44	33	560	First class	Dec. 12
Dooley, John C.	Peoria	Peoria	41	10	605	do	Feb. 12
Dougherty, James	Herrin	Williamson	27	12	652	do	June 11
Downs, Frank H.	LaSalle	LaSalle	45	33	627	do	Apr. 2
Du Bois, I. R.	Farmington	Fulton	62	15	587	do	Dec. 12
Duncan W. J.	Elmira	Stark	25	5	479	Second class	Dec. 12
Eadie, James W.	Springfield	Sangamon	35	20	534	First class	Oct. 9
Ellis, Thomas J.	Gillespie	Macoupin	34	15	616	do	Feb. 12
Fairburn, George	Virdeu	do	52	25	648	do	June 11
Fenton, George L.	Colchester	McDonough	29	12	473	Second class	Oct. 9
Fenton, W. J.	Kineaid	Christian	39	26	597	First class	Dec. 12
Fink, John J.	Kangley	LaSalle	29	14	487	Second class	Feb. 12
Forester, Leonard	Percy	Randolph	32	17	607	First class	Feb. 12
Forster, Charles	Springfield	Sangamon	41	29	640	do	Apr. 2
Frankew, Pio.	Springvalley	Bureau	31	11	602	do	Feb. 12
Frech, Ferdinand	Lenzburg	St. Clair	28	14	572	do	Dec. 12
Fries, William J.	Collinsville	Madison	30	14	661	do	June 11
Gale, James D.	Victoria	Knox	33	9	506	Second class	June 11
Gillen, Patrick	Springfield	Sangamon	49	28	555	First class	Oct. 9
Gillespie, James	Cantrall	do	46	25	536	do	Oct. 9
Gollaay, Edward	Tallula	Menard	43	28	576	do	Dec. 12
Goodman, Jesse	Lewistown	Fulton	26	10	476	Second class	Dec. 12
Greiner, William F.	Belleville	St. Clair	41	24	646	First class	June 11
Hanson, Charles O.	Peoria	Peoria	26	6	579	do	Dec. 12
Harriman, Edward	do	do	24	8	465	Second class	Oct. 9
Hanek, John F.	Staunton	Macoupin	33	18	626	First class	Apr. 2
Heffron, John	Springfield	Sangamon	45	33	622	do	Feb. 12
Hintz, Frank	Geneseo	Henry	38	20	499	Second class	Oct. 9
Hodge, Burress	Muddy	Saline	31	16	542	First class	Oct. 9
Hope, George	Johnston City	Williamson	39	26	647	do	June 11
Horton, John D.	Girard	Macoupin	35	12	591	do	Dec. 12
Humphreys, C. C.	Herrin	Williamson	51	22	660	do	June 11
Hynes, John T.	Onba	Fulton	42	29	552	do	Oct. 9
Janessa, Frank	Sherman	Sangamon	25	8	571	do	Dec. 12
Johns, W. H.	Cartersville	Williamson	40	22	496	Second class	Apr. 2
Johnson, John	Oak Hill	Peoria	49	30	486	do	Dec. 12
Johnson, J. L.	Auburn	Sangamon	40	26	541	First class	Oct. 9
Jones, David W.	Sparta	Randolph	29	10	639	do	Apr. 2
Keys, Charles D.	Wesley City	Tazewell	35	16	598	do	Dec. 12

MINE MANAGERS—Continued.

Name.	Post office.	County.	Age.	Years experience.	Certificate number.	Kind of certificate.	Date of examination—July 1, 1916, to June 30, 1917.
Kilgore, William	Colchester	McDonough	45	22	470	Second class.	Oct. 9
King, Fred	Springfield	Sangamon	37	20	539	First class.	Dec. 12
Knies, Anton	Breese	Clinton	32	18	606	do.	Feb. 12
Knies, August	do.	do.	30	12	662	do.	June 11
Knies, John	do.	do.	34	14	593	do.	Dec. 12
Laffins, William	Toluca	Marshall	38	25	550	do.	Oct. 9
Letner, Andy	Tice	Menard	54	35	464	Second class.	Oct. 9
Lewis, E. G.	Sandoval	Marion	44	32	561	First class.	Dec. 12
Lindsay, John	Canton	Fulton	36	24	503	Second class.	June 11
Liptack, Lotis	Streator	LaSalle	29	16	507	do.	June 11
Lucas, A. E.	Randall	Knox	48	10	478	do.	Dec. 12
Luke, George	Benton	Franklin	32	17	645	First class.	June 11
Lyons, Guy C.	Gillespie	Macoupin	32	8	667	do.	June 11
McAvoy, Patrick	Chatham	Sangamon	32	20	554	do.	Oct. 9
McCleish, R. E.	Cuba	Fulton	30	9	619	do.	Feb. 12
McGill, Dan	Gillespie	Macoupin	39	26	553	do.	Oct. 9
McKinney, F. L.	do.	do.	28	13	573	do.	Dec. 12
McLaughlin, John	Canton	Fulton	33	15	596	do.	Dec. 12
McLaughlin, T. B.	Auburn	Sangamon	31	15	556	do.	Oct. 9
McMillan, James, Jr.	Peoria	Peoria	24	6	654	do.	June 11
McSherry, Barney	Duquoin	Perry	27	13	601	do.	Feb. 12
Maher, Edward	Lincoln	Logan	47	20	592	do.	Dec. 12
Mallgren, J. W., Jr.	Petersburg	Menard	45	30	548	do.	Oct. 9
Mann, Oscar W.	Canton	Fulton	41	12	477	Second class.	Dec. 12
Martin, Enoch	Decatur	Macon	46	30	634	First class.	Apr. 2
Martin, J. D.	Girard	Macoupin	50	36	504	Second class.	June 11
Mathis, Charles E.	Duquoin	Perry	34	12	644	First class.	June 11
Mauschbaugh, Theo.	Edwards	Peoria	43	25	485	Second class.	Dec. 12
Mee, William R.	Toluca	Marshall	26	12	610	First class.	Feb. 12
Miffin, Amos	Duquoin	Perry	38	22	650	do.	June 11
Milam, Ben	Herrin	Williamson	31	16	656	do.	June 11
Milan, T. H.	Galesburg	Knox	43	5	539	do.	Oct. 9
Mitchell, Thomas	Streator	LaSalle	48	35	488	Second class.	Feb. 12
Mohn, Thomas	Peoria	Peoria	31	15	482	do.	Dec. 12
Monroe, Harry R.	Harrisburg	Saline	34	13	540	First class.	Oct. 9
Morgan, A. D.	Oneida	Knox	46	15	461	Second class.	Oct. 9
Morris, Wm. T.	Duquoin	Perry	49	25	562	First class.	Dec. 12
Murphy, James	Pana	Christian	29	14	659	do.	June 11
Murphy, Thomas W.	Mapleton	Peoria	35	21	500	Second class.	Apr. 2
Murrell, John	Danville	Vermilion	27	10	543	First class.	Oct. 9
Neal, James E.	Bowen	Hancock	57	18	505	Second class.	June 11
Nesbit, Charles L.	Belleville	St. Clair	49	37	637	First class.	Apr. 2
Noel, Archie U.	Harrisburg	Saline	27	14	545	do.	Oct. 9
O'Hare, Denis F.	Springfield	Sangamon	35	23	590	do.	Dec. 12
Olander, Walter	Pekin	Tazewell	33	15	564	do.	Dec. 12
Oliver, William, Sr.	Riverton	Sangamon	51	20	569	do.	Dec. 12
O'Rourke, John	Staunton	Macoupin	46	25	621	do.	Feb. 12
Pasco, Frank	Viola	Mercer	35	19	462	Second class.	Oct. 9
Peoples, Charles	Willisville	Perry	38	22	643	First class.	June 11
Petty, Walter J.	Sparta	Randolph	25	7	665	do.	June 11
Phillips, Daniel	Springvalley	Bureau	61	52	535	do.	Oct. 9
Pinson, Sam	Johnston City	Williamson	52	27	625	do.	Apr. 2
Porter, J. R.	Littleton	Schuyler	45	25	512	Second class.	June 11
Potter, Ed.	Virden	Macoupin	56	47	615	First class.	Feb. 12
Pranke, A. H.	Pana	Christian	44	27	642	do.	June 11
Prediger, Joseph A.	Lenzburg	St. Clair	29	10	655	do.	June 11
Price, Harry	Norris	Fulton	29	11	618	do.	Feb. 12
Rains, R. L.	Cartersville	Williamson	30	12	570	do.	Dec. 12
Rarieck, P. J.	Troy	Madison	27	10	565	do.	Dec. 12
Reed, Alvia E.	Mapleton	Peoria	35	16	493	Second class.	Feb. 12
Reynolds, Daniel	Girard	Macoupin	31	18	574	First class.	Dec. 12
Reynolds, William	do.	do.	61	50	609	do.	Feb. 12
Richter, Ernest J.	Springfield	Sangamon	38	24	658	do.	June 11
Rodenbush, Charles	West Frankfort	Franklin	27	9	549	do.	Oct. 9
Ross, J. W.	Pekin	Tazewell	37	12	623	do.	Feb. 12
Roth, John	Streator	LaSalle	67	45	510	Second class.	June 11
Roy, Hugh N.	Farmington	Fulton	40	23	630	First class.	Apr. 2
Royce, John	Westville	Vermilion	45	30	595	do.	Dec. 12
Ruble, E. E.	Roanoke	Woodford	28	21	547	do.	Oct. 9
Scattergood, John	Riverton	Sangamon	49	30	612	do.	Feb. 12
Schafer, John R.	Belleville	St. Clair	37	12	635	do.	Apr. 2

MINE MANAGERS—Concluded.

Name.	Post office.	County.	Age.	Years experience.	Certificate number.	Kind of certificate.	Date of examination—July 1, 1916, to June 30, 1917.
Schimpf, B. A.	Vergennes	Jackson	31	12	502	Second class.	Apr. 2
Schneider, Fred	Peoria	Peoria	24	8	483	do.	Dec. 12
Scott, George	Matherville	Mercer	30	14	673	First class.	June 11
Sergeant, Frank	Belleville	St. Clair	34	21	603	do.	Feb. 12
Shaw, Clarence	Wyoming	Stark	24	6	463	Second class.	Oct. 9
Sheerin, Charles	Virden	Macoupin	29	14	638	First class.	Apr. 2
Simpson, David	Divernon	Sangamon	29	9	582	do.	Dec. 12
Smith, George T.	Johnston City	Williamson	37	23	546	do.	Oct. 9
Somerson, Robert	Coal Valley	Rock Island	51	35	480	Second class.	Dec. 12
Stephenson, William	Cartersville	Williamson	44	31	641	First class.	June 11
Stobs, Donkin	Streator	LaSalle	54	42	508	Second class.	June 11
Stone, Isaac	Colchester	McDonough	35	20	474	do.	Oct. 9
Stone, Titus	do.	do.	48	30	472	do.	Oct. 9
Swift, Fred J.	Canton	Fulton	44	14	481	do.	Dec. 12
Taylor, John	Matherville	Mercer	32	15	509	do.	June 11
Taylor, John P.	Belleville	St. Clair	43	25	575	First class.	Dec. 12
Thackston, C. M.	Glen Carbon	Madison	30	14	566	do.	Dec. 12
Thomas, Oscar	Matherville	Mercer	59	40	468	Second class.	Oct. 9
Thompson, Thomas	East Peoria	Tazewell	32	20	567	First class.	Dec. 12
Tonner, Martin	Panama	Montgomery	41	31	544	do.	Oct. 9
Walker, John L.	Springvalley	Bureau	58	48	585	do.	Dec. 12
Ward, J. E.	Streator	LaSalle	62	50	492	Second class.	Feb. 12
Warner, Albert	Hanna City	Peoria	29	14	458	do.	Oct. 9
Watt, William	Petersburg	Menard	60	45	584	First class.	Dec. 12
Watts, John J.	East Peoria	Tazewell	29	13	578	do.	Dec. 12
Webb, William	Johnston City	Williamson	34	15	649	do.	June 11
Weir, James	Herrin	do.	44	29	613	do.	Feb. 12
Welsh, John	Gillespie	Macoupin	39	23	664	do.	June 11
White, Sam	Belleville	St. Clair	35	10	672	do.	June 11
Whitehead, William	Roodhouse	Greene	37	21	491	Second class.	Feb. 12
Williams, Harry E.	Gillespie	Macoupin	30	14	589	First class.	Dec. 12
Willis, Hugh	Herrin	Williamson	35	16	636	do.	Apr. 2
Wills, Donald	Farmington	Fulton	26	10	586	do.	Dec. 12
Wilson, G. A.	Sparta	Randolph	48	35	653	do.	June 11
Wilson, John	Carbondale	Jackson	41	15	499	Second class.	Apr. 2
Wilson, William	Cutler	Perry	30	15	629	First class.	Apr. 2
Wilson, W. A.	Belleville	St. Clair	41	18	671	do.	June 11
Witt, Stanley	Sesser	Franklin	31	16	594	do.	Dec. 12
Woodbridge, T. R.	Marion	Williamson	22	11	511	Second class.	June 11
Woodward, Thomas	Vergennes	Jackson	32	12	501	do.	Apr. 2
Woolary, Joe	Springfield	Sangamon	36	22	608	First class.	Feb. 12
Young, Harold F.	do.	do.	30	15	558	do.	Dec. 12
Yuill, Archie	Herrin	Williamson	28	18	628	do.	Apr. 2
Zude, Herman	Matherville	Mercer	37	22	674	do.	June 11

MINE EXAMINERS.

Name.	Post office.	County.	Age.	Years experi- ence.	Certificate number.	Date of exam- ination —July 1, 1916, to June 30, 1917.
Allen, Ben H.	Panama	Montgomery	27	8	858	June 16
Anderson, Josh.	Carriers Mills	Saline	47	22	799	Oct. 9
Bailey, T. F.	Herrin	Williamson	29	15	840	Apr. 2
Bullock, Ostel	do.	do.	24	10	837	Apr. 2
Cairns, Robert	Gillespie	Macoupin	36	22	846	Apr. 2
Cathcart, Charles	O'Fallon	St. Clair	25	10	844	Apr. 2
Champley, Richard	Seatonville	Bureau	28	5	803	Oct. 9
Coats, Alexander	Gillespie	Macoupin	44	26	820	Dec. 12
Coles, A. J.	do.	do.	41	16	834	Apr. 2
Cowden, John	do.	do.	36	18	841	Apr. 2
Cravens, T. L.	Herrin	Williamson	26	10	854	June 16
Dean, Thomas	Canton	Fulton	34	16	819	Dec. 12
Downs, Frank H.	LaSalle	LaSalle	44	32	813	Dec. 12
Flynn, James F.	Rutland	do.	27	10	828	Feb. 12
Fox, D. T.	Duquoin	Perry	33	12	801	Oct. 9
Fulton, William	Gillespie	Macoupin	38	26	835	Apr. 2
Gibson, Smith	Eldorado	Saline	39	17	847	Apr. 2
Harrop, George	Standard	Putnam	27	14	809	Dec. 12
Hawes, Geoffrey	Logan	Franklin	26	12	832	June 16
Hogan, John M.	O'Fallon	St. Clair	35	23	831	June 16
Horn, Oscar	Herrin	Williamson	41	26	842	Apr. 2
Hynd, John	Orient	Franklin	45	30	806	Oct. 9
James, Earl	West Frankfort	do.	25	8	823	Feb. 12
Jones, George	Gillespie	Macoupin	24	6	860	June 16
Jones, Lewis	Benton	Franklin	24	6	857	June 16
Lally, Patrick J.	Springfield	Sangamon	41	21	821	Dec. 12
Leech, Ernest	Livingston	Madison	45	26	830	Feb. 12
Lipp, James	Granville	Putnam	23	8	800	Oct. 9
McDonald, Gilbert	Belleville	St. Clair	45	30	824	Feb. 12
McManus, Hamp E.	Worden	Madison	35	15	802	Oct. 9
McPhail, Philip	Eldorado	Saline	54	43	836	June 16
Matty, John W.	Dorrisville	do.	25	5	818	Dec. 12
Maynard, Otis	Herrin	Williamson	36	24	808	Dec. 12
Milam, Ben	do.	do.	31	15	825	Feb. 12
Morris, Enoch	Duquoin	Perry	32	12	833	Feb. 12
Morris, Joseph	do.	do.	45	25	832	Feb. 12
Mouchlin, Gavin	Gillespie	Macoupin	36	20	839	Apr. 2
Mustard, Ferm	Farmington	Fulton	21	5	836	Apr. 2
Neil, Oscar	Springfield	Sangamon	27	10	827	Feb. 12
Neil, Thomas R.	Gilechrist	Fulton	35	22	817	Dec. 12
Oysten, John H.	Benton	Franklin	23	7	826	Feb. 12
Pallister, Ralph	Harrisburg	Saline	21	7	798	Oct. 9
Phillips, T. H.	Herrin	Williamson	38	13	843	Apr. 2
Prediger, Joseph	Lenzburg	St. Clair	29	9	829	Feb. 12
Preval, Harry	Kincaid	Christian	32	18	838	Apr. 2
Richter, Ernest J.	Springfield	Sangamon	37	24	816	Dec. 12
Roberts, William C.	Gillespie	Macoupin	26	10	859	June 16
Robertson, James	Duquoin	Perry	46	28	831	Feb. 12
Rowley, W. W.	Tower Hill	Shelby	23	6	849	June 16
Scott, George	Matherville	Mercer	30	16	805	Oct. 9
Simpson, C. C.	Royalton	Franklin	50	42	797	Oct. 9
Simpson, David	Divernon	Sangamon	28	9	807	Oct. 9
Sirles, George E.	Herrin	Williamson	30	16	811	Dec. 12
Smith, Charles J.	Moweaqua	Shelby	29	12	853	June 16
Staton, Preston	Herrin	Williamson	22	5	855	June 16
Stephenson, William	Carterville	do.	44	30	812	Dec. 12
Stille, Adolph	Staunton	Macoupin	27	6	810	Dec. 12
Sullivan, Patrick H.	Springfield	Sangamon	21	5	845	Apr. 2
Tarases, Joe M.	do.	do.	33	16	814	Dec. 12
Trautman, Frank	Zeigler	Franklin	26	16	822	Feb. 12
Vachetti, George G.	Westville	Vermillion	26	12	804	Oct. 9
Ward, James	Breesee	Clinton	53	41	848	June 16
Watts, Jacob	Divernon	Sangamon	42	29	815	Dec. 12
Waugh, James	Christohper	Franklin	62	50	850	June 16

HOISTING ENGINEERS.

Name.	Post office.	County.	Age.	Years experi- ence.	Certificate number.	Kind of certificate.	Date of exam- ination —July 1, 1916, to June 30, 1917.
Adams, John.	Willisville	Perry	37	8	19	Second class	Feb. 12
Ashman, Mack	Herrin	Williamson	23	3	602	First class	Feb. 12
Bennett, Earl	Pekin	Tazewell	21	2½	593	do	Dec. 12
Bixler, Guy R.	Eldorado	Saline	26	2	632	do	June 11
Bohlander, John	Pekin	Tazewell	58	5½	599	do	Dec. 12
Brackney, George A.	Christopher	Franklin	39	9	615	do	Apr. 2
Brous, Charles	Norris	Fulton	35	2	616	do	Apr. 2
Byerley, Everett	Georgetown	Vermilion	32	2	604	do	Feb. 12
Campbell, Arthur J.	Farmington	Fulton	25	2	587	do	Oct. 9
Carpenter, Thomas B.	New Baden	Clinton	23	3½	594	do	Dec. 12
Cavaletti, Peter	Springvalley	Bureau	22	8	589	do	Dec. 12
Constantine, Peter	Granville	Putnam	29	3	630	do	June 11
Cook, Dess	Sandoval	Marion	33	4	627	do	June 11
Cook, James O.	St. David	Fulton	42	9	598	do	Dec. 12
Curl, Raymond	Herrin	Williamson	24	3½	625	do	June 11
Custer, Horace D.	Farmington	Fulton	41	3	586	do	Oct. 9
Davis, Webster H.	Pittsburg	Williamson	33	7	608	do	Feb. 12
Dickinson, Thomas	Gillespie	Macoupin	27	3	605	do	Feb. 12
Firestone, Charles R.	Clifford	Williamson	26	8	619	do	June 11
Foreman, L. J.	Edwardsville	Madison	44	5	633	do	June 11
Forester, James	Duquoin	Perry	48	2	600	do	Dec. 12
Foulk, John M.	Staunton	Macoupin	32	8	612	do	Apr. 2
Foulk, W. L.	do	do	26	3	629	do	June 11
Glenn, Earl	Belleville	St. Clair	21	4	613	do	Apr. 2
Golladay, Isaac N.	Tallula	Menard	49	2½	591	do	Dec. 12
Gray, Edward	Gillespie	Macoupin	25	2½	611	do	Apr. 2
Hagaman, David	Matherville	Mercer	23	3	628	do	June 11
Hall, Harry	Collinsville	Madison	24	3	595	do	Dec. 12
Hudnell, Roy	Harrisburg	Saline	25	2	603	do	Feb. 12
Hughes, Thomas J.	Matherville	Mercer	36	2	601	do	Feb. 12
Jacobs, Samuel	Norris	Fulton	43	4	597	do	Dec. 12
James, L. T.	Rosiclare	Hardin	42	7	596	do	Dec. 12
Kell, John T.	West Frankfort	Franklin	37	5	592	do	Dec. 12
Kelley, Otis	Whiteash	Williamson	25	3	610	do	Apr. 2
La Cour, August	Peoria	Peoria	55	15	624	do	June 11
Lamm, F. E.	Dunfermline	Fulton	33	5	607	do	Feb. 12
Lewis, James E.	Tallula	Menard	44	*	16	Second class	Oct. 9
Marshall, W. E.	Belleville	St. Clair	48	5	622	First class	June 11
Martiness, John	East Peoria	Tazewell	44	7	21	Second class	June 11
Mason, Frank	Carbondale	Jackson	44	2	18	do	Feb. 12
Milan, T. H.	Galesburg	Knox	44	6	614	First class	Apr. 2
Mitchell, David	Lincoln	Logan	37	2	585	do	Oct. 9
Moore, C. E.	Girard	Macoupin	38	2	606	do	Feb. 12
Neal, J. H.	Logan	Franklin	32	8	609	do	Feb. 12
Plummer, Alonzo H.	Harrisburg	Saline	31	12	590	do	Dec. 12
Pulley, Guy	Marion	Williamson	26	2½	623	do	June 11
Purdy, Charles	Sawyer ville	Macoupin	24	4	631	do	June 11
Reay, John	Wyoming	Stark	32	3	14	Second class	Oct. 9
Reitz, George W.	Toluca	Marshall	33	14	588	First class	Oct. 9
Rentfro, M. M.	Johnston City	Williamson	33	4	621	do	June 11
Rice, Cleve	Gillespie	Macoupin	32	7	618	do	June 11
Rury, John A.	Percy	Randolph	42	2	13	Second class	Oct. 9
Scott, Henry V.	Pocahontas	Bond	28	2	620	First class	June 11
Spenny, Ora	Canton	Fulton	32	2	617	do	Apr. 2
Tandy, W. F.	Colchester	McDonough	57	6	20	Second class	Feb. 12
Thronton, John	Carbondale	Jackson	28	1	22	do	June 11
Upchurch, P. O.	Galatia	Saline	32	2	626	First class	June 11
Waite, Leonard	Wyoming	Stark	21	1	15	Second class	Oct. 9
Yocum, Elmer	Lewistown	Fulton	38	4	17	do	Dec. 12

* One month.

MINERS' EXAMINING BOARD—STATE OF ILLINOIS.

The Miners' Examining Board of the State of Illinois, presents herewith the fourth annual report of the work accomplished during the year ended February 28, 1917.

The following table shows how many miners have been examined for certificates as practical coal miners, together with dates and meeting places where the examinations were held, the number rejected, the number of certificates issued and the amount of fees collected.

There were 1,397 applicants rejected for the following reasons: Did not know the State Mining Law; non-experience; could not speak the English language; did not know the name of the coal company they had worked for in other states. There were 113 men out of the 1,397 that did not know the State Mining Law, and were rejected for that reason; 1,020 men rejected for non-experience; 254 men that could not speak the English language, and 10 men that did not know the name of the coal company they had worked for previously, which information is required of each applicant for future reference.

The revenue collected the past year, amounting to \$15,632, has been turned over to the State Treasurer, the board having issued certificates to 7,816 miners, as shown by the following table.

On July 1, 1915, the law creating the Illinois Miners' Examining Board was amended, providing that all miners holding certificates that had been issued by the various county miners examining boards in Illinois, should be exchanged for substitute State certificates, free of charge. During the fiscal year ended June 30, 1916, 56,277 substitute certificates were issued; this number added to the 21,400 original certificates, for which a fee was charged, makes the number of certificated miners in the State, barring deaths and removals, 77,677 on March 1, 1917.

EDWARD MAHER, *President*.

JOHN KNIES, *Secretary*.

ILLINOIS STATE MINERS' EXAMINING BOARD.

Register of applicants received and rejected, certificates issued, etc., for the fiscal year ending February 28, 1917:

Date.	Meeting place.	Number of applicants.	Number rejected.	Number of certificates issued.	Revenue collected.
1916					
Mar.	1 Braceville.....	54	9	45	\$ 90 00
	2 Springvalley.....	81	32	49	98 00
	3 Peoria.....	20	2	18	36 00
	4 Taylorville.....	25	10	15	30 00
	7 Eldorado.....	73	10	63	126 00
	8 West Frankfort.....	23	4	19	38 00
	9 Herrin.....	71	6	65	130 00
	10 Duquoin.....	50	18	32	64 00
	11 Belleville.....	38	12	26	52 00
	14 Breese.....	19	2	17	34 00
	13 Staunton.....	80	24	56	112 00
	16 Springfield.....	41	12	29	58 00
Apr.	6 Streator.....	31	-----	31	62 00
	7 Springvalley.....	65	35	30	60 00
	8 Peoria.....	44	4	40	80 00
	12 Belleville.....	49	13	36	72 00
	13 Staunton.....	65	27	38	76 00
	14 Springfield.....	33	6	27	54 00
	15 Taylorville.....	19	6	13	26 00
	25 Eldorado.....	58	18	40	80 00
	26 West Frankfort.....	71	23	48	96 00
	27 Herrin.....	99	23	76	152 00
	28 Sesser.....	57	10	47	94 00
	29 Duquoin.....	77	21	56	112 00
May	2 Springvalley.....	45	19	26	52 00
	3 Canton.....	35	3	32	64 00
	4 Peoria.....	17	4	13	26 00
	5 Taylorville.....	23	3	20	40 00
	6 Staunton.....	54	25	29	58 00
	9 Eldorado.....	58	7	51	102 00
	10 West Frankfort.....	33	9	24	48 00
	11 Herrin.....	45	9	36	72 00
	12 Duquoin.....	32	11	21	42 00
	16 Centralia.....	49	2	47	94 00
	17 Belleville.....	33	13	20	40 00
	18 Springfield.....	54	12	42	84 00
June	1 Danville.....	53	18	35	70 00
	2 Peoria.....	38	8	30	60 00
	6 Springvalley.....	70	15	55	110 00
	12 New Baden.....	34	13	21	42 00
	13 Belleville.....	27	6	21	42 00
	17 Staunton.....	76	11	65	130 00
	20 Eldorado.....	112	11	101	202 00
	21 West Frankfort.....	54	12	42	84 00
	22 Herrin.....	126	16	110	220 00
	23 Duquoin.....	106	20	86	172 00
	27 Springfield.....	47	13	34	68 00
	28 Taylorville.....	51	5	46	92 00
July	6 Centralia.....	18	-----	18	36 00
	7 Pana.....	14	1	13	26 00
	11 Springvalley.....	73	15	58	116 00
	12 Canton.....	108	16	87	174 00
	13 Peoria.....	18	1	17	34 00
	18 Eldorado.....	84	9	75	150 00
	19 West Frankfort.....	82	12	70	140 00
	20 Herrin.....	61	10	51	102 00
	21 Duquoin.....	71	9	62	124 00
	25 Springfield.....	33	3	30	60 00
	26 Staunton.....	55	8	47	94 00
	27 Belleville.....	42	7	35	70 00
Aug.	2 Springvalley.....	46	14	32	64 00
	3 Canton.....	32	5	27	54 00
	4 Peoria.....	79	13	66	132 00
	8 Eldorado.....	87	13	74	148 00
	9 West Frankfort.....	57	11	46	92 00
	10 Herrin.....	76	7	69	138 00
	11 Duquoin.....	38	10	28	56 00
	17 Springfield.....	53	10	43	86 00
	18 Taylorville.....	32	4	28	56 00
	22 Staunton.....	37	14	23	46 00
	23 Collinsville.....	61	11	50	100 00
	24 Belleville.....	23	2	21	42 00
Sept.	1 Danville.....	63	6	57	114 00
	2 Taylorville.....	19	3	16	32 00
	6 Oglesby.....	88	12	76	152 00
	7 Springvalley.....	66	8	58	116 00

Date.	Meeting place.	Number of appli- cants.	Number rejected.	Number of certificates issued.	Revenue collected.
1916					
Sept. 8	Peoria.....	61	9	52	\$104 00
15	Belleville.....	39	2	37	74 00
16	Staunton.....	57	12	45	90 00
19	Springfield.....	85	9	76	152 00
26	Eldorado.....	124	9	115	230 00
27	West Frankfort.....	89	16	73	146 00
28	Herrin.....	99	16	83	166 00
29	Duquoin.....	51	16	35	70 00
Oct. 3	Oglesby.....	25	5	20	40 00
4	Springvalley.....	40	10	30	60 00
5	Canton.....	73	3	70	140 00
6	Peoria.....	42	3	39	78 00
10	Eldorado.....	188	13	175	350 00
11	West Frankfort.....	110	15	95	190 00
12	Herrin.....	155	16	139	278 00
13	Duquoin.....	93	21	72	144 00
24	Belleville.....	64	2	62	124 00
25	Collinsville.....	47	9	38	76 00
26	Staunton.....	101	16	85	170 00
27	Springfield.....	106	7	99	198 00
Nov. 10	Springvalley.....	81	18	63	126 00
11	Peoria.....	80	5	75	150 00
14	Eldorado.....	89	14	75	150 00
15	West Frankfort.....	74	19	55	110 00
16	Herrin.....	158	19	139	278 00
17	Murphysboro.....	13	1	12	24 00
21	Duquoin.....	76	7	69	138 00
22	Centralia.....	51	1	50	100 00
23	Belleville.....	109	2	107	214 00
24	Staunton.....	67	8	59	118 00
28	Taylorville.....	47	5	42	84 00
29	Springfield.....	100	14	86	172 00
Dec. 5	Springvalley.....	50	10	40	80 00
6	Canton.....	50	3	47	94 00
7	Peoria.....	44	4	40	80 00
8	Danville.....	147	15	132	264 00
14	Belleville.....	63		63	126 00
15	Staunton.....	71	9	62	124 00
19	Eldorado.....	105	10	95	190 00
20	West Frankfort.....	98	9	89	178 00
21	Herrin.....	110	4	106	212 00
22	Duquoin.....	58	1	57	114 00
28	Taylorville.....	17	2	15	30 00
29	Springfield.....	103	7	96	192 00
1917					
Jan. 3	Springvalley.....	55	12	43	86 00
4	Rock Island.....	11		11	22 00
5	Peoria.....	67	4	63	126 00
6	Danville.....	58	6	52	104 00
9	Eldorado.....	76	9	67	134 00
10	West Frankfort.....	54	8	46	92 00
11	Herrin.....	84	8	76	152 00
12	Duquoin.....	49	8	41	82 00
17	Belleville.....	110	3	107	214 00
18	Staunton.....	86	11	75	150 00
23	Taylorville.....	30	3	27	54 00
24	Springfield.....	81	3	78	156 00
Feb. 6	Canton.....	70	4	66	132 00
7	Peoria.....	52	1	51	102 00
8	Springvalley.....	69	2	67	134 00
9	Braceville.....	13		13	26 00
15	Taylorville.....	26	4	22	44 00
16	Springfield.....	77	6	71	142 00
20	Eldorado.....	98	10	88	176 00
21	West Frankfort.....	111	19	92	184 00
22	Herrin.....	140	11	129	258 00
23	Duquoin.....	86	11	75	150 00
27	Belleville.....	91	9	82	164 00
28	Staunton.....	83	23	60	120 00
	Total.....	9,213	1,397	7,816	\$15,632 00

MINE RESCUE DIVISION.

Following is the fourth report of the Mine Rescue Station division, covering a period extending from January 1, 1915, to July 1, 1917.

During this period, the work of the mine rescue stations was supervised by the following commission, appointed by Governor E. F. Dunne:

Representing the State Mine Inspectors: Thomas H. Devlin, Assumption.

Representing the Coal Miners: Fernand Bernard, Westville; John Slattery, Toluca.

Representing the Coal Mine Operators: Thomas Jeremiah, Willisville; George H. Deemy, Peoria.

Representing the Department of Mining of the University of Illinois: Harry H. Stoeck, Urbana.

Representing the Federal Bureau of Mines: Joseph A. Holmes, Washington, D. C. (Upon the death of Dr. Holmes in August, 1915, Van H. Manning of Washington, D. C., was appointed as his successor.)

CHANGES MADE IN THE WORK.

During the year previous to January 1, 1915, certificates had been given to miners completing a course of six lessons in helmet work and passing the test. Experience had demonstrated that six lessons were not sufficient to ensure competent and efficient apparatus wearers, and beginning January 1, the course was increased to twelve lessons.

The three mine rescue cars had been touring the State the past three years, instructing miners in first aid and helmet work. The commission came to the conclusion that the project was not achieving its purpose, viz: the permanent organization of local first aid teams and mine rescue corps. In many instances, the cars had to be stationed on side-tracks some distance from the town, making it inconvenient for the miners to visit them; furthermore, limited space on the cars did not permit either helmet work or first aid to be taught in a satisfactory manner, and halls had to be rented in the town for teaching purposes.

Experience in helmet work had proved to the commission the comparative uselessness of giving helmet training to men at mines where there were no helmets. As soon as the car left with its equipment of apparatus, the men, for lack of apparatus, had no opportunity to keep in training. Apparatus worn by a half trained man, or by one not in recent and constant training is not only dangerous to the wearer but to the men with him. The commission therefore called in the three cars in March, 1915, placing them in the car barns at the LaSalle, Spring-

field and Benton stations, and arranged for first aid instruction to be given by instructors, who could cover their itinerary more rapidly by regular train than by arranging for the transportation and parking of special cars.

Since each station's work was in charge of a superintendent and assistant, the commission concluded that the office of Mine Rescue Station Manager, carrying a salary of \$3,000 per annum, was not necessary, and recommended to the Governor that the position be declared vacant. Governor Dunne approved this course, and the position was abolished on April 1, 1915.

Previous to November, 1915, the three sub-stations located respectively at Herrin, Harrisburg and Duquoin depended on local volunteer helmet teams, serving without pay. As a result, the personnel of the teams was constantly changing, and with no dependable team, the superintendent of the sub-station, with equipment of oxygen breathing apparatus, was practically helpless if called to a mine fire or explosion. Therefore, in November, 1915, the commission directed the three sub-station superintendents to select a local team of five miners, said men to undergo a rigid physical examination by a competent physician, the team to practice mine rescue work not less than two hours each week, and to be paid for such practice work by the State. As a result, the State now has six dependable mine rescue teams composed of miners, familiar with local mining conditions, and ready to respond to calls for assistance at mine fires or explosions.

FIRES AND EXPLOSIONS.

The teams have responded to the following calls:

January 20, 1915, fighting fire at Big Muddy Coal Co., Herrin, Herrin Mine Rescue Team.

January 27, 1915, fighting fire at Chicago & Carterville mine, Herrin, Herrin Mine Rescue Team.

February 24, 1915, exploration work at Taylor mine, O'Fallon, Springfield Mine Rescue Station Assistant.

February 27, 1915, fighting fire at Grayson mine, Saline County Coal Co., Harrisburg Mine Rescue Team.

March 5, 1915, fighting gob fire at Spring Creek Coal Co. mine, Springfield, Springfield Mine Rescue Team.

March 13, 1915, opening seal at Big Muddy Coal Co. mine, Herrin, Herrin Mine Rescue Team.

March 20, 1915, opening seal at Big Muddy Coal Co., Herrin, Herrin Mine Rescue Team.

April 16, 1915, fighting fire at Big Muddy Coal Co., Herrin, Herrin Mine Rescue Team.

April 21, 1915, fighting fire at Lake Creek mine, Johnston City, Herrin Mine Rescue Team.

May 8, 1915, opening fire seal at Big Muddy Coal Co., Herrin, Herrin Mine Rescue Team.

May 17, 1915, opening fire seal at Lake Creek mine, Johnston City, Herrin Mine Rescue Team.

June 10, 1915, fighting fire in air shaft of Mattheison & Hegeler mine, LaSalle, LaSalle Mine Rescue Team.

July 11, 1915, exploration work at West mine of West Frankfort Coal Co., Benton Mine Rescue Team.

July 27, 1915, exploration work at United Coal Mining Co. mine, Christopher, Benton Mine Rescue Team.

September 8, 1915, repairing leaks in fire wall at Mattheison & Hegeler mine, LaSalle, LaSalle Team.

November 29, 1915, fighting fire at Pond Creek mine, Herrin, Herrin Mine Rescue Team.

November 30, 1915, fighting fire at mine No. 3, Saline Coal Co., Harrisburg, Harrisburg Mine Rescue Team.

December 17, 1915, fighting fire at Peabody mine, Springfield, Springfield Mine Rescue Team.

December 21, 1915, fighting fire at Lake Creek mine, Johnston City, Herrin Mine Rescue Team.

December 31, 1915, opening seal at Lake Creek mine, Johnston City, Herrin Mine Rescue Team.

February 2, 1916, fighting fire in air shaft, Chicago, Wilmington & Franklin Coal Co., Orient, Benton Team.

February 9, 1916, exploration work after explosion at Lake Creek mine, Johnston City, Herrin Mine Rescue Team.

March 11, 1916, fighting fire at Chicago & Carterville mine, Herrin, Herrin Mine Rescue Team.

March 14, 1916, fighting fire at Majestic mine, Duquoin, Duquoin Mine Rescue Team.

March 18, 1916, opening fire seal at above mine, Herrin Team.

May 18, 1916, opening fire seal at Orient mine, Benton Team.

May 18, 1916, fighting fire at Majestic mine, Duquoin, Duquoin Mine Rescue Team.

June 4, 1916, ditto.

June 26, 1916, fighting fire at Orient mine, Benton Mine Rescue Team.

July 27, 1916, exploration after explosion at United Coal Co.'s mine, Christopher, Benton Team.

August 26, 1916, exploration after explosion at Chicago & Carterville mine, Herrin, Herrin Team.

October 15, 1916, fighting fire at Lake Creek mine, Johnston City, Herrin Team.

October 26, 1916, fighting fire at Pond Creek mine, Herrin, Herrin Team.

October 29, 1916, opening fire seal at Lake Creek mine, Johnston City, Herrin Team.

November 6, 1916, opening fire seal at Pond Creek mine, Herrin, Herrin Mine Rescue Team.

December 3, 1916, fighting fire at Pond Creek mine, Herrin, Herrin Team.

December 13, 1916, fighting fire at Logan mine, Benton Team.

December 19, 1916, exploration work at Oliphant-Johnston Coal Co. mine, Bruceville, Indiana, after explosion in which two men were killed, and twenty-four men injured, Harrisburg Team.

January 7, 1917, fighting fire at United States Fuel Co.'s mine, Benton, Benton Team.

January 21, 1917, ditto.

January 21, 1917, exploration work at West Side mine, Johnston City, Herrin Team.

January 22, 1917, fighting fire at Pond Creek mine, Herrin, Herrin Team.

February 3, 4, 5, 6, 7, 8, 9, 1917, exploration work at Oliphant-Johnston Coal Co.'s mine, Bruceville, Indiana, Harrisburg Team.

February 10, 1917, opening seal at Pond Creek mine, Herrin, Herrin Team.

March 4, 1917, ditto.

March 18, 1917, opening seal at Oliphant-Johnston Coal Co.'s mine, Bruceville, Indiana, Harrisburg Team.

March 27, 1917, fighting fire at mine No. 5, Taylor Coal Co., Freeman Spur, Herrin Team.

April 28, 1917, opening fire seal at No. 8 mine, Old Ben Mining Co., West Frankfort, Benton Team.

May 4, 1917, exploration work at abandoned mine No. 2, Equality, Harrisburg Team.

May 12, 1917, fighting fire at Weaver mine, Herrin, Herrin Team.

May 12, 1917, exploration work at No. 6 mine, Saline County Coal Co., Grayson, Harrisburg Team. (Eldorado Team and Jas. Towal, Superintendent, Benton Mine Rescue Station, also assisting.) Explosion killed four men.

May 22, 1917, fighting fire at mine B, Chicago & Carterville Coal Co., Herrin, Herrin Team.

May 26, 1917, opening fire seal at Weaver mine, Herrin, Herrin Team.

May 27, 1917, fighting fire at mine A, Chicago & Carterville Coal Co., Herrin, Herrin Team.

June 2, 1917, exploration work at Weaver mine, Herrin, after explosion which killed nine men. (Jas. Towal, Superintendent Benton Mine Rescue Station, also assisted.)

June 12, 1917, opening fire seal at Lovington mine, Lovington, Springfield Team.

June 22, 23, 1917, fighting fire at Paradise mine, Duquoin, Duquoin Team.

During the period beginning January 1, 1915, and ending June 30, 1917, 1,176 certificates in first aid and helmet work have been issued, 382 of this number being women, Boy Scouts and school children of 16 years and over, who have taken the first aid course of twelve lessons.

EQUIPMENT.

	Spring- field.	Benton.	LaSalle.	Herrin.	Harris- burg.	Duquoin.
Breathing apparatus (Fleuss type)—						
Proto.....	8	8	8	7	6	6
Salvator.....	1	1	1	1	1	1
Smoke helmet (Draeger type)—						
Two hour.....	6	6	6			
One-half hour.....	4	4	4			
Oxygen pump—						
Draeger type.....	1	1	1	1	1	1
Fleuss type.....	1	1	1	1		
Mine cages.....	1	1	1			
Lamps—						
Ackroyd & Best.....	2	2	2	2	2	3
Wolf.....	5	5	6	2	2	1
Davy.....	1	1	1	1	1	1
Hepplewhite-Gray.....	1	1	1	1	1	
Clanny.....	2			1	2	
Kochler.....	1		1		2	
Evan Thomas.....	1	1	1			
Muesler.....	1	1	1			
Marsaut.....		1				
Davis.....				1	1	
Ever Ready.....	21	14	10	15	8	7
Pulmotor.....	1	1	1	1	1	

FIRST AID CONTESTS.

In order to encourage and maintain interest in first aid and helmet work, the Commission cooperated with the Perry County Fair Association in having a mine explosion demonstration and first aid contest at Pinckneyville, September 22, 1915, giving gold medals to the first aid winners. Seven first aid teams from over the State competed. The Benton Mine Rescue Station team gave a demonstration of rescue work by means of oxygen breathing apparatus in an imitation mine gallery constructed of timber and tar paper.

The Commission also cooperated with the United Mine Workers and Commercial Association of Springvalley in a demonstration given at Springvalley, September 9, 1916, fifteen first aid teams from over the State competing. The LaSalle Mine Rescue Station team gave a demonstration of rescue work in the miniature mine.

In the recent reorganization of the administrative branch of the Illinois Government, effective July 1, 1917, the Mine Rescue Station Commission was abolished, the stations coming under the management of the Department of Mines and Minerals, and named "Division of Mine Rescue and First Aid."

STATION STAFF.

Thomas Rogers, Superintendent, Mine Rescue Station, LaSalle.
 Thomas English, Superintendent, Mine Rescue Station, Springfield.
 James Towal, Superintendent, Mine Rescue Station, Benton.
 James Weir, Superintendent, Mine Rescue Station, Herrin.
 James Robertson, Superintendent, Mine Rescue Station, Duquoin.
 Alex. Skelton, Superintendent, Mine Rescue Station, Harrisburg.

The highest degree of efficiency possible in mine rescue methods can be attained only when each mining locality has its local teams of trained miners, familiar with the inside workings of the mines, and the Department of Mines and Minerals will make every possible effort, by cooperation with the parties at interest, the miners and operators, to bring about this ideal condition.

Although the indiscriminate training of miners who have no access to apparatus has been abandoned as not feasible and conducive to efficient rescue work, the station superintendents are ready on call to train local helmet teams anywhere in the State, and have instructions to arrange with the coal companies to make regular and close inspection of privately owned apparatus. A first aid instructor will be sent anywhere in the State upon application from a class numbering at least twelve members.

FINANCIAL REPORT—JANUARY 1, 1915, TO JULY 1, 1917.

Upkeep of Springfield, LaSalle and Benton stations.....	\$ 4,202 19
Upkeep of Herrin, Harrisburg and Duquoin sub-stations.....	2,601 91
Express	184 55
Freight and drayage.....	460 62
Water	334 37
Telegraph	26 64
Telephone	589 05
Light	462 26
Coal	1,205 38
Laundry	146 47
Car costs	376 32
Oxygen	1,847 79
Draeger apparatus	475 50
Fleuss apparatus	7,341 75
Lamps	581 30
Red Cross supplies.....	232 32
Goggles	41 04
Wages of station mine rescue teams.....	7,437 65
Salaries of station staffs.....	35,376 37
Expenses of station staffs.....	2,212 88
Extra helmet men.....	1,870 03
Per diem of Commission.....	2,395 00
Expenses of Commission.....	1,955 70

\$72,357 09

